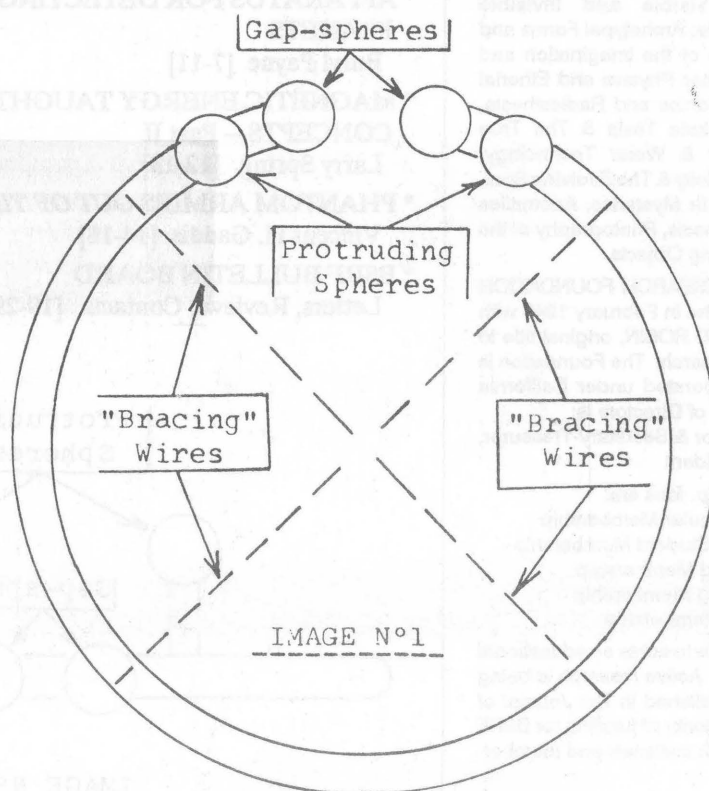


The Journal of Borderland Research

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November-December 1990



Detail of Outer Ring on
Lakhovsky's Original M.W.O. Antennae
(see B.S.R.F. Bulletin Board, pages 24-25)

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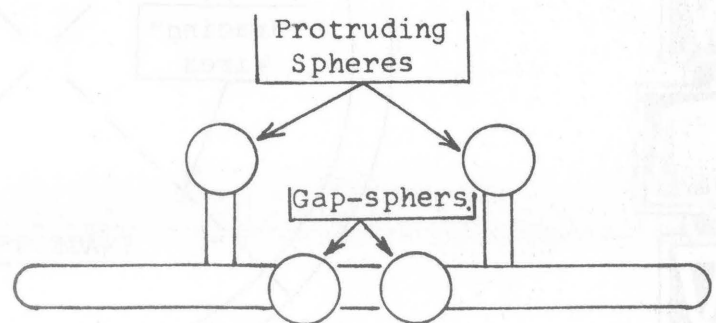


IMAGE N°2

**Detail of Outer Ring on
Lakhovsky's Original M.W.O. Antennae**
(see B.S.R.F. Bulletin Board, pages 24-25)

JUPITER AND TIN

Alison Davidson

24

Back in ancient times when the gods were not only worshipped but took an active role in the affairs of their humans, we come across many references to the precious metals, prized for their magical properties as well as their more practical value. Sacred objects and talismans crafted in metal and imbued with divine power were often given as gifts to those who were specially favoured by the gods.

For example, we read in the poet Homer's *Iliad*:

"He spoke and hurled his javelin with weighty hand; not in vain, for he hit him below the knee on his shin bone, so that the tin covering of the new, strong shin-plate sounded with a frightful clash; yet the copper weapon bounced back and did not penetrate the shield, a gift of the gods."

Among the metals, tin has always been held sacred to Jupiter, both the planet and the great protective deity of the Romans. A magnificent temple in Rome built by Etruscan architects in honour of Jupiter, Juno and Minerva was the centre of religious life of the state. *Jupiter Optimus Maximus* was the great god of the Capitol who ruled benevolently over all affairs of state and law, oaths and treaties, striking down enemies with his thunderbolt, while "governing for the good of the governed," an unusual concept in today's world.

The Greek form of Jupiter was Zeus, ruler of gods and mortals. A statue of this deity from around the 5th century B.C. was over 40 feet high, richly decorated, and known as one of the Seven Wonders of the ancient world. As the planet Jupiter is a giant in the solar system (almost a small sun itself), so Jupiter-Zeus shone like a sun in the pantheon of gods.

There is another reference to tin, this metal of Jupiter, in Homer's *Odyssey* where the hero Odysseus is described as crossing over to the magic shores of Cornwall, famed for some of the earliest known tin mines since the Bronze Age. In the ancient Celtic world tin and bronze were highly prized and tin from the British Isles travelled through ancient sea lanes to the Mediterranean and as far afield as the Orient.

In *Metal Magic*, Mellie Uyldert tells of the fearless Tartessian and Phoenician seafarers who on their quest for tin used the Isles of Scilly, "this ancient desolate archipelago" as a major trading post, exchanging copper, pottery and salt for the tin brought and stored there by the island inhabitants. The Romans later called these islands the "*Cassiterides Insulae*" from which our word for tin-ore *cassiterite* is derived, also the Greek word for tin *kassiteros* and the Sanskrit *kastira*. The Romans called tin 'white lead' or *plumbum album*.

The process of its mining was recorded by the Roman Diodorus (8 B.C.) who described how this metal "was hewn from rocky ground, extracted from the rock by melting, pu-

rified and poured into moulds,"¹ the same method used for thousands of years.

As the Iron Age gradually took over many ancient tin mines were abandoned and lay silent in the shadow of the Dark Ages. It was due to Paracelsus, Biringuccio, Leonardo da Vinci and Agricola (his *Re Metallica* of 1556), that the old methods of mining and metallurgy were reintroduced and the tin mines came to back to their noisy life. By the later Middle Ages tin was again in common use. Combined with lead it formed pewter from which household utensils were made, as well as all the implements of the medieval church. The horsetail plant, high in silica (and a mineral closely connected with tin) was used to scour and shine this popular alloy.

While the rich had their bags of gold and silver, small tin coins were minted in 1558 for "small traders and innkeepers." While the rich were born with the proverbial silver spoon in their mouths the poor had spoons of tin (both of these metals incidentally, were known to improve the quality of the food on which it was served.)

All over Europe metal workers, "all those who work with the hammer" had their own guilds, and up until the time of the industrial revolution gypsy tinkers were a common sight in the neighbourhood repairing old kettles and recycling any broken or worn utensils which could easily be melted down and recast.

The nobility of tin resists the weathering of time, as pewter jugs found on board a sunken Swedish ship testify, still in good condition after more than 300 years under the sea; and tin objects unearthed after 1800 years beneath the city of London 'shone as new.'

THE SPECIAL PROPERTIES OF TIN

*"...in tin strength of form and plasticity of substance are ideally united."*²

Tin shines with a silvery sheen, it is a stable metal and does not oxidise. It has curiously contrasting properties; although soft and pliable (its softness lies between lead and gold) it has a crystalline structure of great inner strength. It also has a brittle quality; when bent, it makes a crackling sound described as the 'tin cry' as the inner crystals rub against each other. Researcher Wilhelm Pelikan notes tin's unusual tetragonal crystalline structure when compared to the other six planetary metals which generally crystallize in the form of small octahedrons.

In contrast to Mercury, tin has the greatest spread between its melting point (2320°F) and its boiling point (20680°F). It strives to maintain its equilibrium between extremes. When heated it loses its softness to become hard and brittle and then disintegrates into a powder. At low temperatures instead of freezing into a more rigid shape it also disintegrates into an

amorphous powdery substance.

This powder has the curious property of infecting other tin surfaces it comes into contact with, first by forming blisters that spread until all the metal 'sickens' and disintegrates. This sickness was called the 'tin plague' and was the scourge of tin roofs in the severe cold of winter.

Tin, like the other planets 'above the sun' is a poor conductor of heat and electricity, but as Pelikan mentions, at the extremely low temperature of liquid helium it suddenly becomes 'superconductive.'

Tin is usually found in granite rock in the form of tin-stone, the ore cassiterite. Considered to be the oldest primeval rock found on the planet, granite is normally formed of quartz, feldspar and mica, but when a vein of tin enters the rock it destroys the feldspar and tinstone takes its place; the accompanying fluorine minerals change the surrounding rock and it becomes jewelled with topaz.

According to Rudolf Hauschka, tin in the earth's crust occurs mainly in a ring around the earth which coincides with the elliptic, at an angle of 23-1/2 degrees to the equator, in the lands of Bolivia, Nigeria, Indonesia, Burma and China. Tin is also mined in Malaya (one of the highest producers), Spain, Portugal, Japan and Tasmania, all of these areas transmitting through the tin the forces of the planet Jupiter.

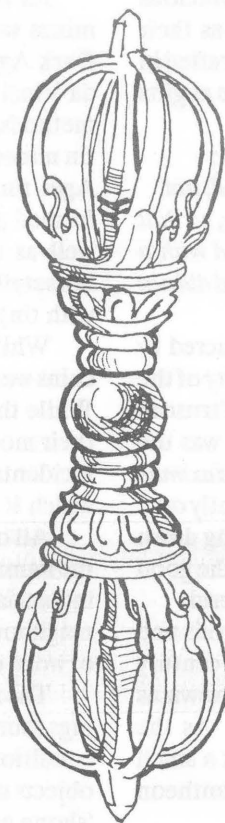
These forces form the tin veins into curious zig-zags in the rock, like forked lightning, the signature of Jupiter's thunderbolt.

Lilly Kolisko describes Goethe's fascination with granite which along with gneiss he considered the archetypal rocks out of which many other rocks and minerals developed. He observed that "a remarkable influence proceeds from the metal Tin; this has a differentiating influence, and opens a door, through which a way is provided for different metals to be formed from primeval rocks."⁴

USES OF TIN

Pure tin is quite expensive, it forms less than 2% of the world's ores, so we see most tin used in the form of alloys or as a thin coating to protect and plate other metals. Everyone is familiar with the humble tin can, where a thin layer is used to coat iron to prevent it from rusting, and to provide food with the preserving qualities of Jupiter. Flowers last longer in a tin vase, and beer (ruled by Jupiter the jovial) is said to taste better when drunk from a tin mug.

Tin combines easily with other metals such as copper, zinc and nickel which benefit from its soft and pliable nature, and also its inner strength. The large heavy bronze church bells in medieval days were said to be cast from four parts copper to one part tin. Other musical instruments such as organ pipes, flutes, cymbals and gongs are made of tin alloys, evoking the pleasure-loving Jupiter who presides benevolently over music and musicians.



Tin was a rare and valuable metal for the Babylonians and Egyptians, and jewelry made from tin has been discovered in old Persian tombs. The ancient Egyptians used tin salts as a mordant for dyeing, and it is put to the same use in industry today. Although being colourless itself, tin has the quality of bringing out the colour which lies latent in other substances.

Tin is also widely used as solder when alloyed with other metals including lead. It fuses metal to metal, just as the Jupiter-tin force links bone with bone through the cartilage in the body, or thought with thought in the realm of the intellect.

Tinfoil is another common form of this metal, also once made by the Romans who used it for mirrors. Today tin is used in glass-making, in the silk trade, in weaponry, technology and steelmaking and as bronze in heavy industry.

The purest tin, Uyldert writes, "is used in nuclear reactors, and in electronics and space travel: it is 99.99995% pure."

TIN IN THE ORGANISM

*"In the course of time the planet Jupiter weaves an invisible Net as it moves in its orbit. This net encloses the Jupiter Sphere. The influences of this sphere penetrate the whole earth and everything within and around it..."*⁴

The influences of the Jupiter-tin force in the organism are shown at work in the shaping or moulding processes of the body, the development of form from formless embryonic substance. Describing this process, scientist Lilly Kolisko writes: "What Nature does is similar to the activity of an Artist as he moulds some malleable material, such as clay, into a definite form."⁴

This moulding force works particularly in the muscular system, moulding the outward form of the body and the soft organs into a definite shape. Continuing on from this purely physical process, the tin force expands its sphere of activity to work in the gradual development of the thinking process,

"...this spiritual activity, with which Man shapes his thoughts, is not only connected with the forces which mould his brain, but also with all the shaping activity present in the whole bodily organization of the human being."⁴

For the ancient Greeks it was Zeus who created the power of thinking and ruled supreme through the cosmic power of his thoughts. This tremendous creative power is illustrated in the ancient myth of Pallas Athena, his daughter who was born springing fully-armed from his forehead as the incarnation of wisdom.

While the tin force moulds the body and gives the power of thinking above, it also works in the largest organ in the body below - the liver. From Plato's *Timeaus* we read:

"Zeus formed everything. He shaped the conscious soul of Man, and the upper part of the human being, the head. But there was one part of Man's soul which desired not only thoughts but also food. The gods placed this part in the region of the diaphragm...Although the lower element works in the liver, yet this organ can also be in contact with truth. Thus, within the liver, is the seat of prophecy, and so the Greek seers look upon the liver as a kind of oracle. This, the liver, is a lower province of the kingdom of Zeus. Its purpose is to create order and to cause a lower type of consciousness to prevail within the lower part of the human being."

This organ, or gland, is an place of fluid organization and equilibrium, a complex chemical laboratory where substances are broken down and transformed as required, among other services providing the sugar necessary in the bloodstream for muscular movement.

There is a higher tin content in the liver than any other organ, but the greatest amount of tin is found in the mucous membranes and tongue, another organ of Jupiter with which we mould our thoughts into words or song.

In the mouth starch is dissolved and changed into sugar, a process which is reversed in the liver. In the mouth we see the relationship of tin to flourine, silica and calcium as it is found in the ancient granite rock, where the tongue and mucous membranes are together with the teeth, high in flourine and combined with these other minerals.

JUPITER THE GREAT HEALER

*"Tin may be broadly described as a remedy that regulates opposing fields of force, on the one hand, those that appear in construction, growth, and swelling, and on the other hand those of solidification and drying up."*²

With its powerful beneficent rays Jupiter has always been regarded as the great healer, in traditional astrology ruling the liver, the hip joints and pituitary gland. Goethe, who was so fascinated by tin, often stayed in the region where tin was mined and said he always felt well and happy there.

While tin as a poison is deposited in the softer parts of the body such as the liver, the muscles and brain tissue, so these parts are most susceptible to tin's healing forces when specially prepared.

Homeopathic tin is known by the latin name *stannum*, which along with the work *tin* and the Germanic *zinn* are

derived from the Celtic *ystaen* or *sten*. This remedy strengthens and regenerates. "Its play between fluidity and form enables tin to intervene between the etheric and the physical processes."²

Stannum can be highly beneficial for disorders of the liver, for congestion, hardening and cirrhosis, and in illnesses where the balance of the fluid system is upset, such as in the brain with hydrocephalus, in meningitis, tuberculosis, and bronchitis. It is also a remedy for the joints, the cartilage and ligaments joining the bones, in such degenerative diseases as arthritis.

JUPITER, TIN & SUNFLOWERS - THE KOLISKO EXPERIMENTS

To bring the relationship between tin and the planet Jupiter back into the more rigid discipline of science, we can turn to the work of Lilly Kolisko who carried out many experiments with tin salts and published the results back in 1932. They clearly demonstrate the changes occurring in the crystallization of silver nitrate and tin chloride, or gold chloride and tin chloride during conjunctions and oppositions of the Moon and Jupiter, the Sun and Jupiter, conjunctions of Jupiter and Mars, Jupiter and Saturn, etc. These studies also showed that the formative forces working in tin were strongest during midsummer, in the months of June, July, and August, when there is the greatest light in the atmosphere.

To explore Jupiter's influence not only in the metallic realm but also in the world of plants, Lilly turned to the old herbals, such as Culpeper's well known herbal encyclopedia. In the old herbal tradition, each plant is said to be governed by a particular planet - it is the embodiment of specific planetary forces on earth. To explore the truth behind these occult correspondences, Lilly chose the sunflower as a test, a plant said to be ruled not by the Sun as its name suggests, but by the planet Jupiter. Steiner had mentioned that the planetary forces could be seen at work in the colour of the flowers, for example, the forces of Mars could be seen in the red rose, Saturn in blue flowers, and Jupiter in white and yellow flowers.

Having already discovered that solutions of tin are influenced by and reflect the forces of Jupiter, Lilly carried out experiments involving tin and sunflowers. She made dishes out of the various metals, filled them with rainwater and placed seeds from the same sunflower in each. She discovered that the seeds in the tin dish started germinating first after only 24 hours, twice as fast as Mercury and over three times as fast as lead.

In another series of experiments Lilly treated the sunflower seeds with the seven different metallic salts, from the 1st to the 60th potency, over 2000 plants in one experiment alone. Again, the seeds treated with tin were taller, stronger and healthier than the others and, in fact, the sunflowers treated with the Sun's metal gold grew quite poorly.

To take this study a step further, Lilly also germinated seeds during the opposition of Jupiter with the Moon and

during the conjunction of these two planets. Using tin chloride she discovered that the sunflowers grew much higher and better during the conjunction of Jupiter and the Moon, than during their opposition. Even the control plants in rainwater grew better during the conjunction.

Exactly the same experiments were carried out with other plants of Jupiter including marigolds, with Jupiter's golden-yellow flowers, and maple tree seedlings said by Culpeper to be ruled by Jupiter. Again the best results were obtained with tin chloride at the conjunction of Jupiter and the Moon.

These studies of Lilly's, done with her husband Eugen, which are detailed in their wonderful book *Agriculture of Tomorrow*, give a new perspective to an ancient field of knowledge that deserves much wider recognition among modern scientists and farmers than it has so far received.

JUPITER - THE "LIGHT-BRINGER"

One of the most interesting things about tin, and something that sheds some light on the deeper nature of Jupiter's metal is its affinity for silica - first as quartz in the granite where tin-veins are found, then again in the organism where the shaping processes of tin and silicic acid are interconnected "to create and maintain the boundary between the inner and outer world." High concentrations of tin and silica are found in the skin, our own individual physical boundary with the world. Silica is also present in the eyes which allow the outer light to penetrate within.

That silica is connected with light is obvious, as anyone can see who has gazed into the clear depths of a pure rock crystal which, "like a sense organ, is fully open and pervious to the cosmic forces, to light, to warmth."² We even find silica's companion tin-ore in crystalline rather than metallic form, sometimes transparent but usually discoloured with dark-brown or black.

Silica is found in the organism in the brain and nervous system, and it is the biochemical cell salt attributed to the sign of Sagittarius ruled by the planet Jupiter. Silica is a substance that enables the light forces of the cosmos to permeate the body and the earth, as demonstrated by further experiments of the Koliskos, and brings to mind one of the most ancient names for Jupiter which is *Lucetius*, the light-bringer. In Italy he was worshipped on the summit of high hills closest to the sky and the light.

In the sign for Jupiter the lunar crescent is rising above the cross of the four elements, which alchemically symbolizes the soul freeing itself from the earth forces and becoming receptive to the light of the spirit.

This is reflected in the qabalistic tradition where Jupiter rules the sphere called the 'Receptive Intelligence,' the fourth cosmic power zone on the Tree of Life. With the image of a mighty king - the law-giver - this is described as the sphere where the archetypal idea is formed, giving our ability to form abstract concepts which are then brought down and 'earthed' in the world through action, or in occult terms, "it is here the adept receives the inspirations which he works out on the planes of form."

The inspiration or light of Jupiter is transmitted through his thunderbolt, through the electrical lightning charge he hurls toward the earth, as, for example, in the Tibetan system through the ceremonial and radionic instrument called the *dorje*, which means 'thunderbolt.' In the Hindu tradition he takes the form of Indra, the lord of fire and lightning, or the Scandanavian Thor with thunderbolt in hand, empowering the visions of prophets, philosophers, great teachers, and artists.

Astrologically Jupiter is said to embody the principle of expansion, and individuals with this planet working strongly in their horoscopes are expansive; intuitive, jovial, often outspoken and eager to explore the world whether intellectually, emotionally or through the senses. The half-animal, half-human centaur of Sagittarius perfectly symbolizes the dual nature of Jupiter, on one hand expanding and developing the higher mental and creative powers as Jupiter, the teacher or initiator, 'seeds' the consciousness of the student with the light of higher knowledge and universal laws.

On the other hand the negative influence of Jupiter replaces truth and justice with hypocrisy and tyranny, and pleasure of the senses with the greed which drives our consumer society deeper into a staggering debt. Not surprisingly, the pleasure-loving Jupiter rules over vineyards and was a much celebrated god of wine - but it's well known that too much wine damages Jupiter's own organ, the liver.

Amon was the Egyptian Jupiter known in his form of Amsu as phallic and virile, like Jupiter who was notorious for seducing and impregnating many, many goddesses in the Roman pantheon - as tin easily joins to alloy with other metals especially giving its strength and hardness to copper, the soft metal of Venus. (Curiously, photographs of the giant red spot on the planet Jupiter's surface look remarkably like the female sexual organ - on a cosmic scale!) The creative energy of Jupiter is said to spiritualize the flesh through the transmission of his sacred fire (or thunderbolt) of life, the energy necessary for the continuation and evolution of the human race.

This recalls Goethe's observation of the metal tin, whose influence 'opens a door' and provides a way for the evolution and metamorphosis of other metals from primeval rock.

Without the light of Jupiter, the soul would remain imprisoned within the darkness of the earth.

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JACK DERBY

MR. FIX-IT / NEW AGE INVENTOR

by Harry Davis

The Boeing 707 had just completed loading the last passenger, the flight crew had finished their pre-flight check, and the captain signalled to the ground crewman that he was ready to start number one engine. Acknowledging the signal, the ground crewman pushed the switch on the control panel of the ground equipment aircraft engine starter. Nothing happened! He pushed the switch harder. Again nothing happened!

The crewman yelled to his assistant, "Don, check all your connections. We've got to get this starter rolling. This flight is already 20 minutes late."

The assistant made a quick check and yelled back, "Everything okay at this end, Charlie."

The lead crewman muttered something and again pressed the starter switch. Dead as a doornail! He took a quick glance toward the cockpit and saw the captain waving his hand.

"Don," he yelled. "Get Derby on the phone and tell him to get out here right away."

In about three minutes a pick-up truck appeared in the distance racing toward the parked airliner. As the truck came to an abrupt stop beside the ground equipment, a man jumped out and ran up to the lead crewman. The lead man quickly explained the situation. The other man stood quietly for a moment, his eyes scanning the starter and his hands touching the control panel.

"Okay, Charlie," he said softly. "We have to open the panel. There's a loose wire inside."

"Let's do it, Jack," the lead man replied.

Both men hurriedly unfastened the front of the control panel. Jack took a quick glance inside at the maze of complicated-looking wiring and instantly spotted a wire hanging loosely from a terminal board. He quickly attached the wire to its proper place on the board, stepped back and said, "Okay, Charlie. That should do it. Let's button up and start it."

The front panel was quickly fastened and Charlie pressed the start switch again. Immediately, the turbine in the ground equipment began to accelerate causing pressurized air to fill the pneumatic hose. At that point the captain pressed a switch on the

aircraft permitting the air to flow through number one engine.

Who is this man Jack Derby who can diagnose and correct an electrical problem by just looking at and feeling the equipment?

In 1961 Jack Derby was a young mechanic working for a major airline in Tucson, Arizona. He had a reputation throughout the airlines industry as "Mr. Fix-It." Jack was kept busy not only in Tucson keeping electrical and mechanical ground equipment working but also in answering calls from airlines facilities throughout the country telling him, "to bring your magic wand over here, pronto."

However, fixing the equipment was not always that easy. In fact, Jack went through a period when he literally couldn't fix even the simplest malfunction. But let Jack explain himself.

"With the advent of the jet age, we received some very highly tech ground equipment for servicing the new jet engines. But even though we had little or no technical manuals or literature explaining how the equipment worked, somehow I could always manage to figure out what was wrong and fix it."

"My boss was very impressed with my ability and wanted to know just how I was able to fix things so easily, particularly since I had no previous training as an aircraft or ground equipment mechanic. I just told him that all you needed was a scientific mind and a little common sense. Shortly afterward, he made me a plant maintenance, automotive mechanic, and I was very pleased with myself. Then all of a sudden my "fix-it" ability left me. I couldn't fix anything! I even had trouble doing a simple tune-up."

"Things kept getting worse; and if it hadn't been for my partner Charlie, I would probably have been fired. After four months, I was really desperate! Oh, I prayed but I felt that God wasn't hearing me. Finally, one night I happened to open the Bible and it leaped out at me in a flash of light: II Chronicles, chapter 7, verses 14-17. And as I read those verses, I knew then that God had heard me because contained in those verses was the answer that I had been seeking."

"I interpreted those verses as stating that a man had to be humble in everything he

does. To make certain that I knew what humbleness was, I decided to try meditating. After quieting my mind, I concentrated upon the word 'humbleness' and asked God what did He mean. I heard the answer immediately. Humbleness is a state of consciousness created when the powers of love and wisdom meet in the solar plexus. You will definitely feel it when you have it."

"That night I felt love and wisdom flowing into my solar plexus. I experienced a strange sensation of tingling and warmth in my stomach area and above, and I knew that I was feeling that state of consciousness the Voice in my mediation had told me I would — humbleness! That night I slept soundly and untroubled. The next morning I went to work knowing that I had the power of God in my heart and my hands. I worked with the 'power of humbleness'. I learned to feel it. Whenever I came upon equipment that wasn't working, I would walk around the equipment and thank God, knowing that I wasn't doing the fixing but that it was God working through me. I would then touch the equipment and it would work. Sometimes it was a permanent fix, and other times the fix would last long enough to permit the aircraft to be dispatched and get the ground equipment back to the shop."

For the past twenty-nine years — with the help and encouragement of his wife Marolyn — Jack has worked steadily to perfect his method of going within to contact God, or his Higher Self as some would term it. Jack does not go into a trance. He calls his method of contact "conscious meditation." Probably, in New Age vernacular he would be called a conscious medium.

In addition to being able to consciously contact his Higher Self while in the meditative state, Jack believes that he is able to consciously contact disembodied entities who have identified themselves as guardian angels or spiritual Masters. Such ability while not new is, undoubtedly, rare — or was classified as rare up until the literal explosion of New Age thought and channeling during the past ten years.

Throughout the centuries, there have been many recorded instances of living persons talking with "angels" which some people would state is another name for dis-

embodied entities. The bible cites numerous examples of such contacts. Closer to our present time, George Washington, our first president, is said to have talked with an angel who gave him visions of three great wars that would engulf the United States. From the period of 1919 to 1949, the noted author Alice Bailey is reputed to have maintained telepathic contact with the Tibetan Master Djwhal Kuhl, such contact resulting in the publication of some twenty-five books on esoteric philosophy.

Two of today's most noted exponents of contact with disembodied entities are the Seth series of books by Jane Roberts and the publications of Elizabeth Clare Prophet, the co-founder of the present-day "I AM THAT I AM" movement which is reputed to have more than a million followers throughout the world. Ms. Prophet states that she is in contact with various Ascended Masters and has published a considerable volume of books as well as video and audio tapes reportedly documenting such contacts. As to be expected, each of the aforementioned ladies has her enthusiastic supporters and vociferous detractors. One positive reviewer states, "that these books reveal a depth and breadth of understanding and insight into the human psyche of a magnitude beyond mere mortal knowledge. These writings are truly inspiring and contain a profound message for humanity regardless of whom the authors may truly be." On the flip side of the philosophical coin there are others who think that such books are pure fantasy.

Because of a driving desire to help mankind, Jack says he has been permitted to bring forth technical information from his spiritual Sources (whom we shall call Teachers) enabling him to design instrumentation quite revolutionary in concept and utilization. His main developmental achievement is an electronic/electro-magnetic type of instrument which he calls the Violet Ray Crystal Resonator, or VRCR. The VRCR is designed as a high frequency, very low current instrument which emits "pulses" of what Jack calls "violet" electro-magnetic radiation through a specially-designed quartz crystal glass electrode.

In developing his Violet Ray Crystal Resonator, Jack had to develop his own unique version of a well-known high fre-

quency component called the tesla coil. Jack's coil is not wound and assembled exactly like a tesla coil, but it does act like a tesla coil in the extremely high voltage amplification attained. Jack also studied under the tutelage of a British researcher and inventor Harry Oldfield (reference THE DARK SIDE OF THE BRAIN by Harry Oldfield and Roger Coghill, published by Element Books, Ltd., Longmead, Shaftesbury, Dorset, England). Jack has considerably improved upon Oldfield's original "Electro-Crystal" system which Oldfield developed in the 1970s.

Jack's Violet Ray Crystal Resonator was designed to be used, initially, to balance the energy flow at various key locations on the human body, such locations being known as chakras in eastern philosophical literature and, more recently, as power centers in some western literature. However, continuous improvements in the VRCR design now enable it to be used, also, as an educational tool for raising the level of one's conscious awareness.

Using a sensitive sound level meter easily obtained from Radio Shack, Jack is able to measure the noise level of sound waves emitted by the human body. Jack gives an easily understandable, practical demonstration that the radiation transmitted by the VRCR is absorbed by the body, such energy absorption causing a change in the noise level measurements as detected by the sound level meter.

For example, with the VRCR turned on and transmitting, the subject holds the glass electrode in one hand. Jack will then hold the sound level meter adjacent to a designated "neutral" point on the subject's body and check the reading as shown by the meter. In most cases Jack is able to adjust the output of the VRCR so that the pointer of the meter will hold steady at the mid-point of zero when the meter range setting is at 80 decibels. Jack will then move the meter to positions on the body where the chakras are supposed to be located, and the reading of the meter is checked again at each of these positions. Jack has found that the meter readings at these various positions will usually vary between zero and plus or minus 4. Depending upon the position and its corresponding meter reading the VRCR output is

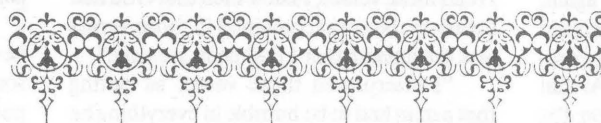
adjusted to the desired frequency band and modulation frequency. The subject continues to hold the glass electrode for a few moments; then that position is checked again with the meter. Again, in practically every case Jack has encountered and regardless how much the meter pointer was to the left or right of the zero point when the first meter reading was taken, this second meter reading will show the pointer to be at the zero point.

In addition to making measurements at body locations corresponding to the various chakras, measurements are also made at points adjacent to various organs and at acupuncture points. Jack believes that these measurements give an indication of the balance or imbalance of the body's so-called "bio-electric field" at each measured point. In the foregoing example, when the second meter reading indicates zero, Jack will tell you that the energy flow of the body's bio-electric field at that particular point is in balance.

There is another demonstration that Jack gives during his lecture that some people would consider "mind blowing" and some scientists would consider impossible or "poppycock." And just why is such a demonstration so startling and controversial? Because Jack says the demonstration is designed to substantiate the statement that the VRCR can amplify a person's thought waves! But you really have to see that demonstration and decide for yourself.

Jack Derby recently celebrated his thirty-third year as a mechanic for that same major airline in Tucson. He still uses his Mr. Fix-It ability to keep the jet engine ground equipment working properly which, in turn, keeps those large commercial airliners safely flying. During his "leisure" time, Jack continues to use his special talents to improve upon his Violet Ray Crystal Resonator as well as invent other New Age type of instrumentation aimed at benefitting mankind.

For those interested in contacting Jack and obtaining further information about the Violet Ray Crystal Resonator and other New Age products that Jack has invented, he may be reached at the following address: PILLAR OF LIGHT ENTERPRISES, 2762 W. Desert Crest Drive, Tucson, Arizona 85713. Telephone: (602) 624-5355.



An Apparatus For **DETECTING EMANATIONS FROM PLANETS**

Buryl Payne

A simple apparatus has been discovered which can be used to detect direct emanations from the visible planets, Sun and Moon. The apparatus is shown in Figure 1 mounted on a six-inch reflecting telescope. It is simply a five inch diameter, six foot long stove pipe with an automotive funnel at the end. The funnel, available at Sears automotive stores, has a flexible metal tube. A clock drive keeps the device focused on the object of interest. The detecting substance is a small amount of water in a glass bottle attached to the end of the flexible tube.

The present means of detection is taste.

BACKGROUND

The basic idea for this device came from the study of the work of Wilhelm Reich's writings on Orgone energy and cloudbusters. What Reich called Orgone energy strongly interacted with water. His cloudbusters were long metal tubes pointed at clouds and attached by hollow flexible BX cables to running water. Reich claimed that the water had to be running in order to move the Orgone energy. According to Reich this apparatus altered the Orgone energy of the local atmosphere and could produce rain, as he demonstrated on several occasions.

In seeking a way to validate the notions of astrology, the author formulated the hypothesis that planets could be giving off emanations of some sort which Reich's cloudbuster could detect. The author thought that perhaps Reich's cloudbusters were actually picking up emanations from planets or celestial objects and not from clouds as he believed.

Instead of allowing the energy or whatever to dissipate in running water, it seemed more worthwhile to collect it, if possible, for analysis.

OTHER VERSIONS OF THE DEVICE

The first device was constructed about 1973. The stove pipe in the first device was only three feet long. A tiny hole in the funnel near the exit tube allowed the observer to focus on the planet of interest. Later the stove pipe was wrapped with a wool blanket following Reich's work with Orgone accumulators which used layers of soft iron and wool to accumulate Orgone energy. The water was held in a small metal, glass, or plastic

bottle attached by a couple of strips of velcro to the end of the funnel. This initial apparatus called "The Moon Gun" by my friends, had to be moved every few minutes to keep the planet within focus.

Another version of the "Moon Gun" consisted of 4 iron pipes, two inches in diameter and eight feet long and connected together by a stainless steel bowl with a short piece of flexible metal conduit to guide the planetary emanations into the sample water bottle. This device was quite heavy, but could be moved in two directions by a swivel and frame arrangement. Rather bizarre looking, as it sat in the front lawn for several years, it seemed to be successful at keeping intruders off the property -- a sort of scientific scarecrow.

Yet another version of the "Moon Gun" was made by arranging 60 feet of 3/4 inch diameter copper pipe into a spiral helix. The wide end of the spiral was about 6 feet in diameter and the length of the helix was about 9 feet. The pipe was simply bent straight back at the apex and a pan of water was placed in contact with the pipe. This version was immovable. It was tied between a tree and a telephone pole on the garage roof, with the open end pointed at the plane of the ecliptic. It was rather inconvenient to use as it required getting up at the hour of the night when the planet of interest was within the focus of the spiral. It was viewed with some suspicion by neighbors and telephone officials but no dire consequences occurred.

RESULTS

All the devices worked. Effects, as indicated by changes in taste were noticed after about twenty minutes exposure. Drinking the water produced psychophysiological effects within 10 to 20 minutes.

However taste changes or effects were not invariably present: sometimes they were very noticeable, and at other times they were barely observable or non-existent. Many different tests were made over a period of more than ten years. Observations so far should be considered more like a pilot study; however they are reported here so that someone with more time or facilities might build on them. It was hoped that some way to increase the effect might be discovered,

which would enable a more systematic analysis to be undertaken, and chemical tests of the water to be made. So far this hasn't happened, but perhaps some reader will hit upon an improvement in the design which would make the effects much stronger.

The data is organized into observations made on the Sun, Moon, and some of the planets. The data reported below was taken from my note books made over more than ten years time from three different locations in Massachusetts -- Framingham, Boston, and Manomet.

SUN

Nov. 1, 1974, 12 noon. Just completed the 4-barrelled version. Directed it at the Sun for 20 minutes and both myself and my friend who helped build the instrument, drank the water. Within 15 minutes we both felt like taking a nap, and fell asleep on cushions on the living room floor. Although we had been up late working on it, it is rare for me to take naps.

Summer, 1975. Gave water, which had been exposed to the Sun, to my son, aged 6, who had measles and was supposed to be quiet and in bed and would not do so. He quickly fell asleep and slept all afternoon.

Fall, 1975. Exposed water to Sun for 20 minutes and gave it to a friend with no explanation or mention of its source. She drank it and fell asleep for two hours.

Jan. 18, 1976. Tap water samples exposed in device to Sun radiation appeared cloudy after 20 minutes exposure. This water, like most water used in the experiments, was in a glass bottle.

March, 1978. Pointed short tube and 4-barrelled device at the Sun. It was the day of the full moon and there was a lunar eclipse. The water tasted terrible! Five observers were present and all agreed that the water had a strong, unpleasant taste. The water produced a temporary feeling of nausea when drunk. When one observer commented that the water tasted like burnt rubber, everyone, including me, emphatically agreed. The taste was very strong. No rubber like material was anywhere near or in the device.

People were generally upset at the time of this eclipse. Almost everyone I had contact with on this day felt mildly ill, irritable, or

'out of sorts'.

Many water samples were exposed. It was found that a metal cover over the front of the tube stopped the effect. However a control bottle of water left sitting in the driveway showed the same taste difference although to a lesser degree. An ordinary metal funnel, propped up in the shade with its stem in a bottle of water produced some mild taste of 'burnt rubber'. Placing a cork at the end of the funnel stem stopped the taste effect. Simply leaving a bottle of water sitting for an hour in the kitchen showed a mild taste, but putting a bottle in the refrigerator completely eliminated any taste difference.

This was an unusual and, for many, a difficult day. Probably all water everywhere was altered around the time of this lunar eclipse.

Prior to 1980, observations were made with either the 4-barrelled device or the short cloudbuster device. After that year the longer tube mounted on a telescope support was used (Figure 1).

Jan. 26, 1980. Directed the apparatus (Figure 1) at the Sun which was just rising. A strong taste was noticeable in the water. (It's very difficult to describe these tastes in any meaningful way. About the most that I can record is their strength.) No effects were noticed from drinking the water.

As a control, left a sample bottle of water open at the top, in the shade. No taste was noticeable after 30 minutes.

Then directed the apparatus at the Sun, now much higher in the sky, and observed a strong, but different taste in the water.

As another type of control I pointed the instrument at the pine trees and left it for one hour. The water tasted like pine trees! I was so amazed by this that at first I thought it was my imagination. However it was a very clear and strong taste. (A pine tree taste was not observed on another occasion.)

Left the device pointed at the sky above the horizon where the Sun had risen earlier. The clock drive was not engaged. After several hours exposure the water had a strong and peculiar taste.

Following this I pointed the device at the wall of the house and left it for over an hour. There was a slight taste in the water.

Then I moved the apparatus to where I judged Venus should be, knowing from the table how far it was from the Sun. A strong taste was noticeable.

All tastes today were strong and different from each other.

Sunday, Jan. 27, 1980. Pointed the apparatus at the Sun which was about 10° above the horizon. A strong taste was observed.

Left apparatus pointed at the same place above the horizon although the Sun had moved on. After a 35 minute exposure

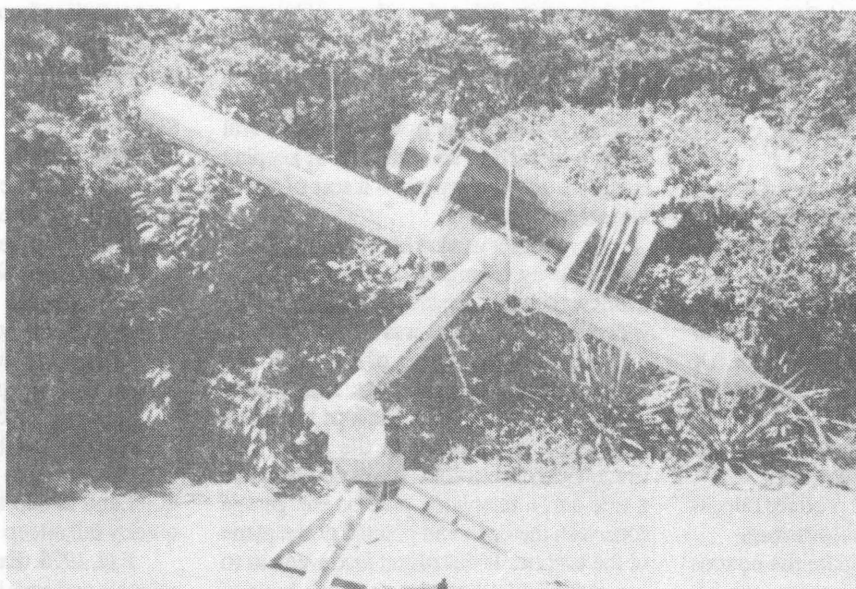


Figure 1

only a slight taste (similar in quality to the previous taste effect) was noticeable.

Left apparatus pointed at the same place (10° above the horizon) for two hours. A mild taste was present in the water. No noticeable effects were observed from drinking the water.

Possibly the strong tastes observed on the previous day were related to more solar and geomagnetic activity. From the solar-geophysical data records published by NOAA I found: "[solar] Region 2245 produced a class X2 X-ray burst on 27 January with maximum at 11:52 Universal Time." Sunspot number went from 103 on Jan. 25th to 153 on Jan. 26th and 160 on Jan. 27th.

March 1, 1980. There was a lunar eclipse at 4 pm. Pointed the gun at the Sun at sunrise. The taste was described as "thick" by an observer. No psychophysiological effects noticed. At 12:30 noon re-

peated the observation. A strong taste was again apparent.

At 2:30 pm repeated the test. Meanwhile the sky had become hazy, and the tube had drifted slightly off focus. No noticeable taste and no effect on me.

August 9, 1980. At 3 pm aimed smaller device at the Sun. It was one day before a solar eclipse. No apparent taste was noticed, but afterwards I was so sleepy I couldn't concentrate on my work, although I forced myself to stay awake. It was one of the hottest days of summer. Finally at 6:30 I did take a nap.

August 10, 1980, 11 am. Sun water (from the apparatus) produced a slight taste — not pleasant — and no effects noticed from drinking it.

The daily Sunspot number went from 139, (on August 7) to 142, 154, and reached a minor peak of 169 on August 10.

February 18, 1981. Set up both short and long tube devices to point at the Sun. (It was near the time of the full moon.) A 30 minute exposure produced a strong acrid taste. My stomach felt slightly upset about 15 minutes later.

I pointed one apparatus at the sky, the other one at rock steps as a control. I expected

no taste if it was the Sun which was radiating something into the tube, but after a 25 minute exposure strong but different tastes were noticeable from the water from both devices. As a second control I stuffed towels in the end of both tubes and left them for one hour. Both water samples still tasted different from a control bottle of water left sitting on a nearby rock.

From the NOAA reports I found that Sunspot number was on the increase this day; the geomagnetic activity was low and the 2800 mHz (10.7 cm) radiation from the Sun was at a relative peak. (See observations following under "Moon" on this same date — Feb. 18, 1981.)

September 10, 1981. Aimed big apparatus at the Sun. It was nearing the time of the full moon. I noticed a slight taste difference in the water, but two observers did not notice any difference between a control water

sample which had been sitting nearby and the test samples which were from the apparatus. Repeated the test observations three times with no positive results.

Full Moon, Feb. 14, 1976. Concentrated emanations in sample bottle of water using smallest apparatus. It tasted like tap water which it was. After a few minutes I felt slightly nauseous. Did not notice any psychophysiological effects.

Many full Moon observations were made in the early years which generally gave the same effects — a slight feeling of nausea after drinking the water. Sometimes a taste change was evident and sometimes not.

March 1, 1981. Full Moon eclipse and Moon conjunct Mars and Jupiter. The water had a noticeable taste, and no psychophysiological effects.

December 20, 1980. Water exposed to the full Moon this evening had no apparent taste, but I felt buoyant afterwards even though I had been driving into the city with traffic hassles all day. Sitting by the fire, I was feeling cheerful and optimistic. Since usually after a day of city traffic I would feel tired, this was unusual.

February 18, 1981. A very bright and not unpleasant full moon for most people. At 7 pm I exposed the water in the collector bottle to the Moon's emanations for 20 minutes, then drank it. No discernible taste. I felt slightly tipsy, spaced, and was scared of my friend's driving as we left in the car. I felt I needed to hold on, hold together — never had this experience before.

April 13, 1981. Pointed apparatus at Moon at 7 pm. Moon was not full. A definite taste was noticed; not a good taste. No noticeable effects. According to NOAA reports the geomagnetic field showed rapid fluctuations on this day.

April 18, 1981. Moon nearly full and partially obscured by clouds. Noticeable taste, but no psychophysiological effects.

July 6, 1982. There was to be a lunar eclipse in the early morning of the next day. About 10 pm I set up the apparatus with a new funnel which had been washed in the automatic dishwasher to clear it of the film of oil present when it was purchased.

After 20 minutes exposure to the Moon, a taste difference was clearly apparent. An unpleasant taste, hard to describe or compare with common tastes. I repeated the water exposure to the Moon several times. Two observers present also confirmed a clear taste difference. Around 11 pm I drank the water from the last test period and went to prepare for bed. My wife said: "Your energy is funny — You're kind of intrusive."

I did feel slightly energetic and bumbly — kind of scattered and irritable.

At 2:15 am I arose to make observations at the time of the eclipse. The Moon was about 2/3 covered when I went outside. The apparatus had been tracking the Moon all night with water in the sample bottle for about three hours. It had a much stronger taste than it had earlier in the evening and of the same quality — not a pleasant taste. I drank the entire bottle, then filled it again and drank it after twelve minutes exposure to the full Moon which was now totally eclipsed. No obvious psychophysiological effects noticed. I stayed up the rest of the night, making several tests. The water continued to have a strong taste at every test made until dawn.

NEW MOON AND SOLAR ECLIPSE OBSERVATIONS

June 17, 1980. There was a New Moon conjunct Neptune, square Saturn. At Noon a sample of water was exposed to the Sun for about 35 minutes. I drank the water which tasted acrid and bitter and went inside to type. About 12 minutes later I became irritable. Hearing some terrible singer on the radio I swore, screamed and angrily shut the radio off, then drove away in my car. As I was driving I was fantasizing punching some guy who had slightly irritated me about something. About four miles up the road I psychologically woke up! I realized what had happened. I had drunk that water! When I had that realization the anger left me and I completed my errand and planned to repeat the experiment.

At 4 pm I repeated the experiment. The water did not taste as strong as previously. I made a mental resolution to go down to the beach and throw rocks if I felt irritable. I went to my lab to work. Again, in about 15 minutes I became very irritable, completely forgetting my drinking the water and my resolve to throw rocks. Again the radio was on and I found a commercial so irritating I swore at the radio and angrily turned it off. Then I remembered the experiment, the water, and my resolve to go throw rocks.

It was amazing, upon recollection, to notice how the mood change took me over, subtly and unawares. I just seemed to drift from a normal pleasant mood to one of great irritability without the slightest awareness.

This was the strongest psychological effect I ever obtained from the water samples exposed in my devices.

A control sample made by pointing the instrument at the sky had no taste or effect on me. Later I did recall that a radio astrolo-

ger had stated that this would be an angry new moon.

June 17, (year not noted). Moon two days old in Leo near a bright star, and 5° from Jupiter. Strong taste was observed from both smaller and larger apparatus. Noticed a continuously rising galvanic skin response from biofeedback equipment although I attempted to relax. No subjective feelings.

October 6, 1984, 9 am. Pointed instrument at Sun-Moon as it was a new moon. Drank the water after 45 minutes exposure. After about 15 minutes I felt peculiar — kind of woozy and unfocused, as if I'd had three glasses of wine. After about 15 minutes this feeling dissipated.

Refilled the sample bottle and after 40 minutes exposure, gave the water to a visitor. She felt "high" in about 10 minutes and the effect disappeared when she swam in the cold ocean water ten minutes later.

VENUS

After the Sun and Moon, Venus was the most predominate planet to study. Effects were noticed in the first years, although no specific notes were made. On several occasions the water tasted metallic. I sometimes felt a little giddy, as if I'd had a glass of wine. One time the exposed water was given to a female friend. She too, experienced some giddiness, and a metallic taste.

To test whether or not suggestion could be operating, the following night Venus was again bright and I set up the apparatus, and a few minutes later brought the sample of water to her, exclaiming how brilliant Venus was; that the effect should be very strong and wonderful this nite, etc. Then I let her drink the water, which was plain tap water, and left the room. Returning 30 minutes later I asked her what happened. She said she didn't notice anything. "Sorry to disappoint you, Buryl, but I didn't feel anything."

Some specific comments from my notebooks follow:

Jan 12, (year not noted), 5:40 pm. Venus was the highest and brightest for the six month period. There was a slight taste and after drinking the water I felt kind of excited and zippy.

Jan 26, 1980, 6 pm. Pointed the instrument at Venus. The water had a strong taste. (On this date all tests made showed effects — sunspots were on the increase.)

March 19, 1980. Moon was conjunct Venus. No taste in sample water.

August 13, 1980. Arose at 4 am to make a test. Venus was very bright. The water tasted terrible. I went back to sleep and had

a sexy dream — a rare event for me.

October 5, 1980, 6 am. Moon was conjunct Venus. It was foggy. There was a noticeable taste difference, but no psychophysiological effect. I may have pointed the tube incorrectly since I later noticed the telescope used to sight on the planet was slightly out of line with the tube.

November 26, 1984. Moon conjunct both Venus and Jupiter; a lovely sight. I exposed the water for about 20 minutes. Noticed a metallic taste, and about 15 minutes later I felt sad. Just listening to the news on the radio triggered some crying. I had felt kind of quiet and low all day.

November 29, 1986, 5:30 am. Moon conjunct Venus which was very bright at half phase low in the Eastern sky. The Moon was about 4° underneath Venus and 1° South. Made an exposure for 20 minutes. There appeared to be a slight taste just on the surface of the water sample (something I had often noticed — a surface taste only). There were no noticeable psychophysiological effects.

The test was repeated but with the telescope focused on the Moon which was two days before new. No noticeable taste, but my heart felt sore. Could I be imagining this? Chest area around the heart was not really sore, just much feeling — a tightness. A few minutes later happened to read something which triggered crying.

I would have considered this experience to be personal and irrelevant until I happened to look at my notebook and see the similarity with the test made almost exactly two years before.

JUPITER

Initial observations on Jupiter, especially when Jupiter was close to Earth, produced a taste characteristically different from Venus, Sun, or Moon. On two occasions the water tasted 'punk' or 'swampy'. Only two weeks after these observations *Science News* carried a report that sulphur had been detected in the radio emissions of Jupiter.

Sometimes the water from Jupiter tasted good and seemed to have a beneficial effect on the drinker. I noticed that a slightly upset stomach cleared up immediately after drinking Jupiter water. One time a pot had been placed for about an hour at the end of the large copper spiral device while Jupiter had been in view.

An associate came into the office about 8 pm, said she wasn't feeling well. I gave her a glass of Jupiter water to drink without telling her what it was. About 30 minutes

later she asked what was in the water. She said she felt better. If this were only one isolated incident, it could have been dismissed, but it happened several times.

JUPITER-SATURN

In 1980 Jupiter and Saturn were within a few degrees of each other. A number of tests were made during this year and some of the observations from my notebook are recorded below:

December 20, 1980. Full Moon Evening. Returned home from a party at 2:40 am, tired and sleepy, especially after a 45 minute car ride. At 3 am I drank the water which had been exposed for 25 minutes to the combined effect of Jupiter and Saturn. No taste was apparent. I took a shower and went to bed, but could not sleep for over one hour — very restless.

December 31, 1980, 5 am. The time of closest approach of Jupiter to Saturn was at 4 pm that afternoon. There was no apparent taste to the water after exposure to emanations of Jupiter and Saturn simultaneously, but afterwards I felt frustrated. I could not definitely say the effect was due to the water which I had drunk, but I was angry, frustrated, upset, and pacing around the room. If it had not been 10° outside I would have gone for a run.

February 16, 1981. Pointed both large and small devices at Jupiter and Saturn. No noticeable effects. But it was hard to be sure of their aim.

February 17, 1981, in the evening. Water did not have any taste, but I felt charged up and eager to work. Stayed up late.

February 18, 1981. Same effect noticed. It was later in the evening when I made the test.

As these planets separated I could easily differentiate between the two with the instrument.

July 9, 1982. First set the scope on Jupiter and found water sample had a very slight taste. Then changed the water sample bottle to be sure there was no contamination, and thoroughly rinsed the end of the funnel.

Then the scope was focused on Saturn. After 20 minutes I observed a distinctly different taste — kind of bitter-metallic. This is a familiar taste observed in the water from these tests, but many controls have shown it is not coming from the metal end of the funnel. Although the tastes were different I didn't notice any psychophysical reactions from either the Jupiter or the Saturn water on this occasion.

SATURN

April 13, 1981. Aimed the apparatus at the Moon and made a 20 minutes exposure. A clearly different taste was observed compared with the control sample — not a good taste. No noticeable effect on me.

Then focused the instrument on Saturn. A clearly different taste was noticed. Muscle testing showed no weakness on Saturn water, yet three observers agreed that there were taste differences between Saturn, the Moon, and the control water.

MARS

June 17, 1980, 9:30 pm. First made a test on the Moon and Jupiter which were conjunct, followed by a test on Mars. Completely different tastes were observed. No psychophysiological effects noticeable.

As a control I pointed the apparatus randomly at the stars. After a 30 minutes exposure, the water exhibited no change in taste.

PLUTO

Jan 12, 6:35 am. (Year not noted.) According to the ephemeris the Moon was conjunct Pluto. It was hazy and the Moon was waning; only 1/4 strong. Left water for 20 minutes. The taste was smokey, not especially a good taste. No noticeable effect, except possibly a little mental fuzziness.

CONTROLS AND OTHER EXPERIMENTS

May 6, 1981. Magnets were placed at the open end of the tube. The apparatus was pointed at the sky. A slight taste was observed after 20 minutes. A control test with no magnets also produced a taste, but less strong. A second control with no magnets again produced a rusty taste. Presumably this was because the funnel was rusty and needed replacing. But a rusty taste had not been noticed before.

May 7, 1981. Left the sample bottle on the apparatus overnight with the South poles of four cylindrical magnets pointing inwards. The magnets held themselves in place on the soft iron stove pipe. They were about 1 inch diameter and 5 inches long — estimated field strength several thousand gauss each. A strong taste was noticeable.

Aimed the device at the foggy sky, oriented about 40° up and towards the Southeast. Left it for about three hours, during which period, the sky cleared and then re-fogged. The water had a strong taste.

Leaving the instrument in position, I stuffed the opening with a towel. Three hours later the water tasted the same as a

control bottle which had been sitting on a nearby bulkhead.

May 8, 1981. Tastes were noticeable with everything I did today. Magnets at the end of the tube or no magnets, with the tube pointed at the sky, at the Sun, at flowers, at the house. Sunspot activity was at a relative peak on May 8th.

May 17, 1981. I placed distilled water such that light from the telescope would shine in the water and placed a second sample bottle as usual at the end of the funnel. There was no noticeable taste to the water exposed to the light from the telescope, but there was a taste in the water from the funnel. This observation was verified by an independent observer as well.

Well water (which has iron in it at my home) produced a much stronger taste (acid and bitter) than distilled water. Again there was no taste difference noticed in the water exposed at the end of the telescope.

DISCUSSION

Some of the facts which have emerged from this work are listed below:

1. There is some emanation which appears to be originating from the Sun, Moon, and at least some of the planets.
2. The emanations interact with water.
3. The emanations have some connection with solar activity and/or geomagnetic activity.
4. The water is affected. Sometimes it tastes different, and/or sometimes it produces psychophysiological effects when it is drunk.
5. The effects are different from the different planets.

Since our Sun appears to be a strong source of the emanations, presumably all stars produce similar emanations. Since we are 65% water, drink water, and breathe water vapor along with air, we are presumably being continuously affected by the emanations from the Sun, Moon, planets, and all the stars.

The observation that water exposed to the Sun in the apparatus, made people sleepy was puzzling at first, but seems to fit with the common observation that after sunbathing people become sleepy. Sleep has always been a mystery. It is a very powerful drive. Perhaps this work provides an important bit of new information.

Effects from the planets on water may follow somewhat traditional astrological notions. This does seem to offer a means for validating such notions, but of course it will take some time.

In another experiment I set two glasses of water on two coils of wire pulsed with direct current. Each glass of water was exposed to a different magnetic pole. A third glass served as a control. Taste differences were usually noticeable in the water. Tastes were similar to those observed from some of the planets, however it is difficult to verbalize or categorize tastes.

Magnetic fields have been found to alter chemical reactions. A Swedish company manufactures a magnet treating apparatus for reducing calcium deposits in boilers.

No chemical tests were made on water samples from the instruments described in this paper. It was found that this would be prohibitively expensive.

Water is not a simple substance. Besides the known forms of liquid, solid, and gas, water molecules can form complex loose structures that are not well understood. In liquid form some of the molecules ionize, some form hypermolecules, and probably many other different complex patterns. Biologists speak of "living water" or "structured water". The dynamics of the living cells may superimpose a structure on water making it suitable for some purpose of which we are unaware. This may be a constantly changing pattern and different within different cells and tissues. Water in the air is different from water in lakes and ponds and rivers which is again different from water in the oceans. Water is the most dynamic compound on the planet.

Magnetic fields may indirectly affect water thru the mechanism of altering the hydrogen proton which is the nucleus of the hydrogen atom. Under the influence of a varying or oscillating magnetic field the hydrogen proton swings to and fro. It gives off a low frequency pulse of around 2700 Hz (called the hydrogen precession frequency). This conceivably could influence events within our bodies or produce some changes at the molecular level. (Payne, 1984)

Nuclear Magnetic Resonance (NMR) imaging techniques make use of similar effects. Perhaps protons of other atoms are also affected by geomagnetic storms. Although the effects would be small, they could be significant for a biological organism.

At times of heightened sunspot activity, solar flares and events occur on the Sun which increase the solar wind flow and produce turbulence in Earth's magnetic field. This in turn may alter hydrogen protons within water and other organic compounds and produce subtle heretofore unrecognized effects. Many different researchers

have found associations between crimes, riots, accidents, illnesses, psychotic episodes, and wars and solar and planetary magnetic activity. There is also a link between geomagnetic activity and weather. Interactions with the hydrogen proton in high altitude clouds may be a factor in this as well.

SUGGESTIONS FOR FURTHER RESEARCH

Many research topics come to mind and a few are listed below:

1. Is this a different form of energy? Or just a different form of magnetism?
2. Is it unique to living organisms?
3. Can the water exposed to the emanations be stored?
4. How can the effects be amplified or increased?
5. Can specific emanations be detected from Uranus, Neptune, and Pluto? From Mercury? From the stars or the galactic center?
6. Many pulsars oscillate at frequencies near those common to the human brain. They also have enormous magnetic fields. Can they produce effects on hydrogen protons?

CONCLUSION

This preliminary work is merely exploratory. There are many variables and unknowns which need to be untangled one by one in some systematic manner if possible. It's premature to make any definite conclusions at the present time. This could take years of research and is beyond the powers of one person. Therefore it is hoped that others will carry these simple experiments forward in their own creative ways. Since the apparatus is so simple, anyone can make original discoveries. It should be an exciting scientific adventure!

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MAGNETIC ENERGY TAUGHT ME NEW BASIC CONCEPTS II

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MEASURING SIZE OF ENERGY BY SPEED AND TIME

In my first article published in the Journal of Borderland Research September-October, 1990, I mentioned several personal observations revealed to me by the radiated magnetic energy itself. First and foremost it is important to recognize the speed of light at approximately 300,000 kilometers (186,000 miles) per second in a vacuum. This same speed holds for all radiated magnetic energy including radio, television, infrared heat, visible light, x-rays and gamma rays to name a few. Speed in air is approximately the same as in a vacuum. This speed I verified by measuring in 1954.

The next important factor is "time", which is usually described in seconds. It is the same time as measured by your watch.

At 186,000 miles per second radiated magnetic energy can travel 3 inches in 1/4,000,000,000 second (one 4 billionth of a second). Three inches is the peak to peak wavelength of the C band satellite TV down link transmission. In 1/60,000,000 (one 60 millionth) of a second radiated magnetic energy can travel 16 feet (192 inches). This is the frequency and wavelength of television Channel 3. Mid range of visible white light has a frequency of approximately 600,000,000,000,000 (600 trillion) times a second which at the speed of light determines its wavelength of approximately 1/50,000 inch (one fifty thousandth of an inch). In metric that would be about 0.55 microns.

When I say wavelength I use it as a unit of measure only. When I say foot I use that also as a unit of measure. I am not talking about your foot. Electromagnetic energy in 1985 revealed itself to me as spherical units of radiated magnetic energy in an infinite range of sizes from tiny gamma rays to AM radio, and beyond in both directions, and everywhere in between. A white light photon mid range is about 1/100,000 inch (one 100 thousandth of an inch) in diameter.

SCREENING FOR SIZE

By closely measuring the spherical units of magnetic energy, by running them through

various sized wire mesh, like screening gravel, I, Larry Spring, determined them to be the 1/2 wavelength in diameter. This made sense as they were being formed by an alternating electrical current running back and forth in a 1/2 wavelength resonant electrical current conducting rod. The magnetic field forming around the conductor as per Hans Christian Oersted's right hand rule was cast off by the reverse polarity magnetic field forming inside of it as the electrical current and field reversed direction in the conducting rod.

The electrical field is tied to the electron and effectively repels other electrons without the electrons actually bumping (like charged particles repel). The electrons travel in a metal conducting wire and the electrical current field travels in and around the conductor, while the magnetic field is driven away mainly at right angles to the electrical field's path traveling in and around the conductor. This high speed radiated magnetic field traveling at 186,000 miles per second can duplicate an alternating electrical current in any conductor it crosses, providing this conductor is lying in a position to cut the magnetic lines of force of the spherical units of energy that are radiated from the transmitting conductor in alternating magnetic polarity as formed around an alternating electrical current carrying rod or wire.

MEASURING ENERGY UNIT SIZE BY SURFACE ROUGHNESS

This wide variety of sizes gives rise to a wide variety of actions. 4GHz (4 billion vibrations per second) satellite transmitted units of magnetic energy will bounce accurately from sandpaper as the energy unit is the same size as a ping pong ball that bounces accurately from a sandpaper coated ping pong paddle. Light photons of 1/100,000 inch in diameter slamming onto sandpaper at 186,000 miles per second will scatter in all directions as dictated by the surfaces of the tiny grains of sand. It takes a mirror finish to uniformly bounce photons of light. Channel 3 TV 8 foot diameter units of magnetic energy as defined by Larry Spring in 1985 will bounce accurately from fairly rough ground that would

scatter ping pong ball sized units of satellite magnetic energy.

Bouncing accurately or scattering from a surface of various roughness is an effect of size but passing through mass is also a product of size both large and small. An 8 foot diameter unit of energy would not be much affected in its travel by a cannon ball held up in its path, while the same cannon ball would make a ping pong ball sized unit of satellite signal bounce in a direction dictated by the slope of the point of contact. Tiny x-rays can pass right through the space in an atom. Gamma units of magnetic energy are so very tiny that they can pass right through an atom unless one hits a nucleus which make a sizable reflecting surface for gamma rays from which to rebound. So transparent or opaque is a result of structure of mass in relation to radiated magnetic energy size.

SEEING WITH PHOTONS

Other than my own writing, I have never seen in print or heard anyone state the size of a photon of light other than they say it is very tiny. I, Larry Spring, applying my television spherical units of energy observations to the known frequencies and wavelengths of visible light have in 1985 determined that the mid range of visible light photons are about 1/100,000 inch in diameter. Metal window screen with 1/16 inch openings is transparent to light while it is opaque to C band satellite signal. In practice you can see through a screen while satellite energy 1-1/2 inches in diameter will not pass through. Neither will 8 foot diameter spherical magnetic units of energy of TV channel 3 transmission.

6,000 photons of visible light can pass side by side through a screen hole. 6,000 layers of 6,000 each making 36,000,000 passing in one instant would fill the screen hole without overlapping and I see no reason why they cannot overlap. 36 million photons in one instant traveling at the speed of light means that a string of photons 36 million thick extending 7 times around the world would pass through that one screen hole in one second.

The hole or pupil of our eye is about the

size of a screen hole. It is no wonder that we can almost instantaneously receive light of varying density bouncing off the scene in front of us conveying the high lights and low lights (shadows) to reveal the irregularities of all we see. It is a variation of amplitude that gives us the lights and darks, but better yet we see variations in frequencies at the same time which gives us color. I say we see both in amplitude (AM) and frequency (FM) modulation.

BOUNCE OR RERADIATE

There is a vast difference between simple bounce of spherical units of magnetic energy as recognized by Larry Spring and absorption and reradiation. This can readily be viewed with light and your eyes as receivers, but to understand what really takes place it is better to use television frequencies, a sensitive signal strength meter, and simple absorption and reradiating rods in conjunction with a test dipole antenna. Convenient energy sizes to work with range from 4 billion cycles a second, with a spherical 1/2 wavelength diameter unit of magnetic energy of 1-1/2 inches, which is 150,000 times the diameter of a photon of light, to 60 million cycles a second of TV channel 3 with a spherical unit diameter of 9,600,000 times the diameter of a photon of light.

All magnetic units of radiated energy will bounce intact from a smooth nontransparent surface, or nonporous surface. Although polished metal is best it need not be metal. In fact anything you can see has bounced photons of visible light. Had all the light been absorbed and reradiated, it would reradiate in infrared invisible frequencies of heat and the reradiating surface would look black.

With the test antenna and TV frequencies, magnetic units of energy can be redirected from the surface of a metal plate to the antenna simply by tilting the metal plate and using the law of reflection, which states that the angle of incidence equals the angle of reflection. That is why a parabolic reflecting satellite dish works so well.

With absorption and reradiation a resonant 1/2 wavelength conducting rod is used in a position that cuts the magnetic lines of force of the high speed transmitted spherical magnetic units of television signal composing the energy front. These reradiating resonant rods are used as reflecting rods in most television antenna arrays. A reverse polarity magnetic field is formed around the resonant length conducting rod. This field's polarity opposes the action of the passing field that caused it. That is the essence of Lenz's Law, and can be readily recognized when testing reradiation from rods. This reverse polarity magnetic field radiates outward, but instead of being directed as a unit from a smooth surface, it radiates in a global pattern from the reradiating rod. It's strongest direction is perpendicular to the rod. This radiated energy can be traced all the way around the rod. This rebroadcasting satisfies Christian Huygen's observation that every point on a wave front is a new point of transmission, but does not take into consideration the more obvious and common simple bounce of spherical units of energy composing the energy front as recognized by Larry Spring in 1985.

People will say this is all very interesting, but how can I use it. Actually you are using the principle of radiation from light through heat to TV and radio all the time. They all work the same and travel the same speed, only the unit size is controlled by the frequency. The density of energy is governed by the power output of the transmitter and the spreading of energy from its source. It gets thinner by the square of the distance.

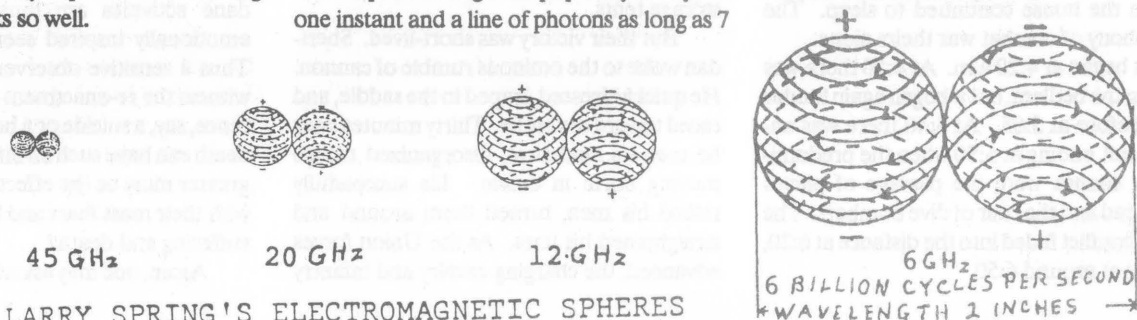
Think of the retina or back surface of your eye as a field of one hundred and thirty five million TV antennas each receiving the light photons bouncing from one tiny area you are viewing. They are converged through your eye lens and reproduce the scene in front of you in miniature on the retina of your eye. Now remember 36 millions photons can and do pass through the pupil of your eye in one instant and a line of photons as long as 7

times around the world can pass in one second. Light to be seen has to go through your eye pupil either directly from its source like a light or the sun, or bounce off the scene in front of you. The photons hitting the back of your head do not enter your eye. There are so many photons bouncing around during daylight hours all going so fast that you have no trouble seeing. Highlights or bright spots show concentrated light coming in an almost direct bounce path from the sun while shadows show light arriving from some less direct route. Very dark shadow shows you are receiving almost no light from that point. Black means the visible light energy has been absorbed and, if the object feels hot, you know the energy is reradiating in the lower frequency of infrared. Green grass or tree leaves tell you the red has been absorbed and only the blue and yellow is reflecting or bouncing. We see this as green. Sometime after dark take a green leaf and hold it near the red tail light of your car and it will look black, as the red is all absorbed. Plants use ultraviolet too, but it is naturally invisible to the human eye.

When you see blue smoke from a chimney you know the smoke particles are a group of molecules just large enough to make a bounce surface for blue light (about 0.2 microns). If the smoke is white the group of molecules are large enough to make a bounce surface for white light. If the smoke is black, light is being absorbed and reradiated as infrared, which is a lower frequency than white light, that can be detected as heat.

The sky is blue, the clouds are white, the evening sun in a smoky sky is orange or red all due to varying sized bounce surfaces for photons of visible light.

Yes, we use radiated energy every day, all day long for light and heat and in its stored form of water power and plant carbons we use it for light, heat and motive power all night too. We have used it for years. It's interesting to learn more about the shape in which it arrives from the sun.



PHANTOM ARMIES OUT OF TIME

Vincent H. Gaddis

Early on the morning of August 19, 1942, Canadian commandoes crossed the English Channel from Britain and landed at several points at and around the French fishing village of Dieppe. The hoped-for element of surprise ended when the landing craft of the attackers were spotted by a port signal station and by armed German vessels escorting a tanker. Navigational errors upset the scheduled timetable; landings that should have been made under cover of darkness took place in broad daylight.

The enemy had been alerted and the Allied troops were mown down by a deadly cross-fire from mortars, rifles and machine guns. The beaches were carpeted with corpses. With the exception of the landing at Varengeville, five miles west of Dieppe, where the Canadians stormed the German batteries, destroyed guns and ammunition dumps, and took prisoners, the raid was a disaster. Of a total force of over 4,000 about 2,500 were killed, wounded or captured.

Nine years later two English ladies, Mrs. Dorothy Norton, aged 32, and her sister-in-law Miss Agnes Lawton, accompanied by Mrs. Norton's two young children and a nurse, arrived in Dieppe for a holiday. They found rooms on the second floor of a pleasant house facing the sea at Puys, a hamlet one mile east of Dieppe. During the war the house had been occupied by German officers, and the beach in front of it had been the scene of the most violent fighting. For several days they enjoyed their rest and recreation amid the quiet rural surroundings.

Before dawn on the morning of August 4, 1951, both women were awakened by deafening sounds of battle. To their ears came the rattle of machine guns, the sharp cracks of small-arms fire punctuating the explosions of shells, shouts, cries and words of command. They hurried out onto their balcony overlooking the beach and sea, but at no time did they see anything. Everyone else in the house continued to sleep. The cacophony of combat was theirs alone.

It began at 4:20 a.m. At 4:50 there was a lull in the bedlam, but it began again louder than before at 5:05. At 5:40 there was another lull, ending at 5:50 when the predominating sounds were the passage of planes overhead and the roar of dive bombers. The din of conflict faded into the distance at 6:20, ending at around 6:50.

Realizing they were having a supernatural experience, the ladies had the presence of mind to take notes. Later it was discovered that their observations coincided with the sequence of events that occurred at Puys during the raid — the time of landing, the two periods of comparative quiet when there were pauses in the naval bombardments by off-shore destroyers, and the arrival of forty-eight Royal Air Force Hurricanes.

The ladies wrote separate reports during the next two days and send them to the British Society for Psychical Research. The ladies could have had no foreknowledge of the ebb and flow of the battle since it was still under censorship. The official account of the Dieppe Raid was not published until five months after their experience. All possible explanations other than the supernatural were ruled out. The analogy between the sounds heard by the two women and those of the original raid plus the coincidence of the times eliminates mundane theories.

There was another time and another conflict — the American Civil War. The Battle of Cedar Creek in Virginia was a bitter one, especially for the South. On the morning of October 19, 1864, Gen. Philip H. Sheridan's Army of the Shenandoah was camped on hills beside the creek. Sheridan himself was at Winchester on his way back from a conference in Washington. He had no suspicion that a Confederate force led by Gen. Jubal A. Early had been marching day and night, existing on short rations, to deal the Union army a stunning blow.

Early's surprise attack came out of a chilly autumn fog. After one round of musketry, the camp was filled with shouting rebels. The Union soldiers not taken prisoners fled with their own artillery, now in Confederate hands, firing into them from behind. The starved southerners, who had not eaten well for months, ignored their officers and fell upon the abundant food supplies in the storage tents.

But their victory was short-lived. Sheridan woke to the ominous rumble of cannon. He quickly dressed, leaped to the saddle, and raced toward the battle. Thirty minutes later he met his leaderless, disorganized troops moving north in defeat. He successfully rallied his men, turned them around and straightened his lines. As the Union forces advanced, the charging cavalry and infantry

broke through the prolonged Confederate line in a dozen places. The rebels were broken up, scattered, flung back up the valley, and the Shenandoah campaigns ended in a triumph won in the shadow of defeat.

Here where the Union exulted in victory and the Confederacy suffered the anguish of disaster, here where men knew the agonies of pain and the shock of sudden death, the effects of violence and emotions linger. From time to time sensitive souls can hear the clash of conflict, the call of bugles, the shouts of men, the whine of shot, and the distant booming of spectral cannon. In a nearby church that was used as a hospital one can occasionally hear the cries and moans of the wounded. Sometimes, faintly, comes the music of a martial band playing, perhaps, a requiem for the shades of comrades long dead.

And along Indiana's old Wabash trail, from Vincennes to Lafayette, there are traditions of a phantom army. It is said that on certain moonlit autumn nights the expedition of Gen. William Henry Harrison marches again to battle at Tippecanoe. At first, dimly, comes the blare of a bugle, the beat of drums, the tramp of marching feet. The sounds grow in volume as the ghostly militia approaches, and one hears the cadence timing the steps and the shouted directions. Then, as the files pass on through the quiet night, they face away into the darkness.

These invisible armies from out of the past are not the earthbound spirits of soldiers doomed to eternally re-enact certain events frozen in history. No, they are audio soundtracks caught in the web of timelessness. They and their visual elements can be considered sounds and scenes impressed in the "psychic ethers" at points in space, parts of the great earth memory, the "Akashic Records" of Oriental philosophies.

While it may be assumed that all mundane activities are thus recorded, those emotionally inspired seem far more vivid. Thus a sensitive observer can clairvoyantly witness the re-enactment of a violent occurrence, say, a suicide or a homicide. If a single death can have such an influence, how much greater must be the effects of war, of battles with their mass fears and hates and multiple suffering and death?

Again, one may ask why certain conflicts

or scenes are more susceptible to sensitive persons than others? If this is true at Cedar Creek, why not at Gettysburg? If this was true at Dieppe, why not at Asnelles? We may surmise that there are places where, in effect, the veil is more thin. Clairvoyant observers have sometimes noticed that the vision flows and ebbs, clarifies and fades.

But it is possible that the observer himself is a factor, his degree of clairvoyance for example. We can only guess why the two Englishwomen heard the raid at Dieppe, although a number of persons have experienced the phenomena at Cedar Creek. Why is Great Britain subject to possibly more hauntings than other countries? Is the borderline between realms more tenuous there; or are the Anglo-Saxon values of ancestry, tradition and culture factors? At any rate Britain possesses an abundance of phantom armies along with its numerous individual ghosts.

Near Glastonbury the spectral footsteps of marching knights and the clanking of their armor can still be heard at night. In Wiltshire at Woodmanton, where Romans and Britons once fought, war horses have been seen galloping along the valley. An old house that formerly stood on the site of the Battle of St. Albans during the 15th century Wars of the Roses resounded to the clash of sword on steel. The building was called, "Battlefield."

The Battle of Edge Hill in 1642 was the first major conflict in the English Civil War. Although more than 4,000 men lost their lives, neither side won a victory. The carnage was so shocking that both sides refused to attack again the following day. Religious fervor was involved: King Charles I was attempting to force Anglican ceremonies on the Scotch and Puritan clergy. And so great were the psychic energies poured forth in this struggle that quite likely no other similar vision in history has been so intense in detail and so vast in scope.

The battle was fought during the afternoon of October 23. Just two months later, on the night of December 24-25 between midnight and 1 p.m., came the first re-enactment. Mysterious noises were heard. Bewildered countrymen, shepherds and some travelers heard the roll of drums approaching from a distance, then closer and closer, shouts and groans. Suddenly over the Warwickshire plain and on the slopes of the downs, in the air above the heads of the frightened witnesses, appeared the battle scene. They saw horses and men maneuvering, the swing of swords and the thrust of lances. They heard the firing of muskets and the discharges of cannons. The scene contin-

ued for about three hours, then faded away.

At approximately the same time the following (Christmas) night the vision appeared again. This time there were a large number of observers who had gathered on the plain from the surrounding villages. As the armies fought as ferociously as before, the terrified spectators, believing the battle was being re-enacted by demons, fell to their knees, praying to God for protection.

There was no return of the mammoth apparition during the next five nights, but at midnight of December 31-January 1, 1643, the battle was seen again, this time lasting for four hours with even greater violence and noise. And again the next night (New Year's) at the same time. Another week passed with no visitation, then the scene returned on the nights of January 7 and 8.

A report of the visions reached the King at Oxford. In what may be the beginning of psychical research, the King sent three of his top officers and three private gentlemen to conduct an on-the-spot investigation. They were witnesses the nights of January 14 and 15, and so vivid and detailed was the spectacle that the officers recognized among the contestants men they knew had been killed, including Sir Edmund Verney, the King's standard bearer.

There is no record that the vision appeared on January 21 or 22 or thereafter, but it was definitely visible eight times to a large number of witnesses. Obviously we are not dealing here with spirits of the dead since the human images included the surviving soldiers. We appear to be dealing with a recording, comparable to a video TV tape with soundtrack, that when stimulated recreates sight and sound to the consciousness of an observer. Nor would such phenomena as this be a display of the rare gift of clairvoyance since all persons present could see and hear the battle.

The visions appeared on two succeeding nights a week apart, not at the same time as the original battle, but exactly twelve hours before and twelve hours after that time, always beginning about midnight. This brings up the question of cycles, which have been observed in other forms of psychic phenomena. The spectral ship of Northumberland Strait, Canada, appears annually either before or directly after the autumnal equinox, while the *Lady Luvibund*, another phantom vessel, has re-enacted its doom on England's Goodwin Sands every fifty years on February 13 since 1748.

We do not know why it happens, but it seems there are rhythms or cycles in the actions of natural phenomena from sun-

spots to economic trends, and from the metabolism of crabs the human emotions. Carl Payne Tobey, the mathematician-astrologer who discovered the prime dendrite (the formula for prime numbers that mathematicians had been seeking since the days of Euclid), has written: "It is a strange fact that scientists searching for cycles in nature find cycles in almost anything, even in random numbers. Which implies that they are not random. In other words, there may be no such thing as random. Even that which appears to be random and chaotic may be in accord with some unknown design."

Thus psychic phenomena, too, may be "in accord with some unknown design," some rise and fall, ebb and flow of the cosmos beyond man's understanding. The vaster reality that exists beyond our sensory perceptions is doubtless subject to cosmic influences, causes and effects, and natural laws that we may never know.

Less than two years after Edge Hill, the Battle of Marston Moor was apparently foretold the night before when a troop of horsemen were observed galloping through the sky over Helvellyn. This conflict, too, produced its own restless apparitions. According to a writer in *Myth, Man and Magic*, the encyclopedia of the supernatural, as recently as 1932 "two motorists were startled to see cloaked men of Civil War vintage near the battlefield."

Many appearances of ghostly armies have no apparent relationship to specific battles, but are like rare glimpses into the Akashic Records; or could they be sightings into realms or dimensions parallel to or interpenetrating our own world? If the clothing worn by the phantom army is of the same period as the spectators' we can consider the possibility of a natural mirage. But when the same visions recur cyclically, this explanation must be ruled out.

For example there are the phantom soldiers observed in 1735, 1737 and 1745 on the steep slopes of Souter Fell in northern England, all three appearances being on the same holiday afternoon (Midsummer Eve). On each occasion a vast army came from the north, passed over the mountain side with its precipices, and disappeared in a niche near the summit. The north and west sides of Souter Fell are sheer 900 feet heights. No marching man could have kept his footing let alone the horsemen and carriages in the procession. On one occasion the soldiers marched five abreast for more than two hours, the vision ending with darkness. At the final appearance there were 26 witnesses, according to Harriet Martineau, the

noted English writer of the early 19th century, in her book The English Lakes. Another account appears in Christina Hole's Haunted England.

The observers said the troops occupied a space of half a mile. They were not vaporous or indistinct, but so real that several times on the following days a search of the slopes was made for hoof and footprints. There were some who believed that the apparitions were prophetic of the Jacobite rebellion of 1745, but there is little evidence to support this notion.

Catherine Crowe, in her classic The Night Side of Nature (a book first published in 1848 which reveals how little progress has been made in the past century in explaining psychic phenomena), tells of several ghost army visions. Perhaps the most astonishing account was reported by Archibald Bell, a farmer of Inverary, Scotland, as having been witnessed by his father and grandfather about the year 1750. One morning the elder Bell and his son went to the village of Glen-shiray to transact some business. On their return home about noon they suddenly observed a vast concourse of men marching towards them. The columns stretched so far into the distance that the rearguard could not be seen.

As it advanced and they walked slowly toward it, the two men noticed that the marchers were carrying a large number of different banners and standards, and were walking six or seven abreast. With them, as was the custom at the time, marched women and children on each side of the road, carrying pots, cans and other cooking utensils. The sun glinted on the muskets and bayonets carried by the soldiers who were clad in scarlet. The elder Bell, who had served in the Rebellion of 1745, assumed that the army had come from Ireland, landed at Cantyre, and was headed south to invade England.

When the vanguard of the army was some 150 yards from them, they noticed a body of about 40 men led by an officer on foot slightly ahead of the other troops. Behind this group rode an officer of Dragoons — or so they concluded from the trappings on the horse. He wore a gold laced hat and a blue Hussar cloak. Both father and son said they had observed him so intently that they would recognize him instantly if they ever met.

At this time able-bodied men could be forced into military service and young Bell had no wish to become a soldier. He and his father climbed over an embankment beside the road and hid behind some thorn bushes a short distance from the dike. Then they

looked toward the road.

The road, which a moment before had been thronged with humanity, was deserted! They rubbed their eyes. It was true! There were no men, women, horses or vehicles on the dirt road. And the elder Bell suddenly realized that there had been no clouds of dust when he had seen the armed force. A few minutes after the pair had clambered back over the dike, a neighbor appeared riding a horse from the direction of town. In reply to their inquiry, the neighbor said he hadn't seen a living thing since leaving Glen-shiray. There were no footprints in the dust.

Archibald Bell said his grandfather believed that the vision was a glimpse into the future, but his father insisted that the uniforms of the soldiers belonged to a past period. He added that both were abstemious men who had drunk nothing stronger than milk that day.

Catherine Crowe tells also of a large visionary army observed in Havarah Park, near Ripley, Surrey, in 1812 by a number of spectators. These soldiers wore white uniforms, but seemed to be instructed by a man in a scarlet one. After performing some marching exercises, they marched in order about a hundred yards from the witnesses and up a hill. Then there appeared another, more numerous body of men in dark uniforms, and they followed the other up the hill without any obvious hostility. Both parties formed the shape of an "L", then disappeared down the other side. In another case it was the barking of dogs and the nervousness of horses that drew the attention of witnesses to a ghostly army.

Over a period of several weeks in 1937 marching sounds were heard near the site of Thunderfield Castle, Surrey. The historical connection may be that the armies of King Harold stopped at the castle on their way to fight William the Conqueror in 1066. There is an old legend of a ghostly army in the neighborhood, but there is a theory that excavations at the castle may have caused the 1937 revival of the retrocognitive phenomenon. Harry Ludlam, in the book The Restless Ghosts of Ladye Place, says that a couple living near the castle site, Mr. and Mrs. F. Godden, have heard the sounds of tramping feet and a voice giving orders on a number of occasions. The sounds seem to come out of the air. One night Mr. Godden swerved his car to avoid striking the figure of a man wearing a red cloak, and the figure vanished. If related to the marching, this has been the only visible manifestation.

Other nearby residents heard the eerie marching during that period. Mr. F. E.

Jones, while walking one afternoon to see the Goddens, heard coming toward him the faint, steady tramping of many feet. "Then as the sound became louder," he said, "the atmosphere seemed to become icy cold. The sound became louder until I was in the middle of an invisible company of men. Round me there seemed to be a clink as of metal. Gradually the sound died away. It was not imagination: it was something I cannot explain."

East of Asheville, North Carolina, is a beautiful, strange country, a haunting region of mountains, valleys, dark caves, and mysterious phenomena. Near Morganton is Brown Mountain with its enigmatic lights that appear and vanish and are as elusive as will-o'-the-wisps. There is Shaking Bald Mountain where thunderous rumblings emanate from its rocky heart. And there is Chimney Rock Pass where the highway cuts through a spur of the Blue Ridge. Here it was that a phantom army fought a cavalry battle in the year 1811.

There were five known eye-witnesses, and their sworn accounts attracted a great deal of attention at the time. They testified that for several evenings while sunlight still lingered on the mountain summits, they had observed two bodies of cavalry advance toward each other across the sky. They saw them meet in furious conflict, striking with flashing swords as they maneuvered their mounts, and they heard the sounds of battle followed by groans and shouts of victory as the scene faded into the shadows of dusk.

So much public interest in the report was expressed, that Generals Miller and Walton secured affidavits and a public meeting with the witnesses was held in the nearby town of Rutherfordton. There was some speculation that it was a vision of an encounter between British and Continental cavalries during the War of Independence.

Five years earlier, in July, 1806, in this same area, there had been another vision in the sky, but the figures were not those of soldiers. On the contrary, the spectral beings resembled an angelic host. The apparition came into view late in the afternoon of a warm, sunny day near Chimney Mountain. A number of witnesses watched a crowd of literally hundreds of beings, resembling humans, as they passed through the atmosphere in a long procession. They ranged in size from seemingly tall men to infants, all clad in brilliant white raiment. Rising up into view from the side of the mountain with most of the mountain top visible above them, the figures moved to the north and gathered around Chimney Rock.

When all but a few had reached the rock, several of the glittering white forms rose above the others who then began circling the rock at about the rock's height. A few minutes later the figures that had risen moved to a point about 20 yards from the rock's summit. They were followed by the rest in a procession and at that point one by one they vanished. According to an affidavit signed by the observers, the disappearance left "a solemn and pleasing impression on the mind, accompanied with a diminution of bodily strength." The vision lasted for about an hour.

During the Civil War, at midafternoon on October 1, 1863, six witnesses a few miles west of Lewisburg, West Virginia, beheld a bewildering sight. They were Moses Dwyer, a farmer, four ladies in his household and a servant girl. It was a hot, cloudless and windless day. Suddenly Dwyer, who was seated on his porch, noticed just above the tree tops on the adjacent hills to the south, an immense number of what appeared to be small white clouds. They were about the size and shape of house doors, tinged on their edges with light green. They passed rapidly through the air in a consistent formation.

After they had passed out of sight, the scene changed from the air above to the earth beneath. In the valley below the farm there appeared thousands of apparent human beings, traveling in the same direction as the clouds, moving rapidly, and marching in order 30 or 40 in depth. They began ascending the almost insurmountable hills on the opposite side of the valley. Their arms, legs and heads could be distinctly seen in motion. Some were large; others were quite small.

Although they seemed to observe military discipline, they did not appear to be soldiers. They all wore white shirts and trousers, and no weapons of any kind were visible. They passed up from the valley, over the hills, disappearing in a direction due north from the farm.

In Frank Moore's book The Civil War in Song and Story, published in 1889, an almost identical vision was seen 14 days later by ten Confederate pickets and by a number of citizens at Runger's Mill, also in Greenbrier County, West Virginia.

Many persons in Virginia and Delaware saw similar ghostly figures as well as soldiers in the heavens during the autumn of 1881. In late September in Virginia the Warrentown Solid South announced that a "number of reliable and responsible people saw an apparition in the heavens at about 10 p.m. of white robed figures which were supposed by

those who saw them to be angels." On October 7 the Richmond Dispatch published an account from their Fredericksburg correspondent. It stated that "many persons in this community claim to have witnessed a most alarming sight in the heavens just before daybreak. The heavens are said to have been lighted and vast numbers of soldiers appeared, uniformed, armed and drilling."

In Delaware at Wilmington the citizens were "greatly excited" when witnesses said they observed "platoons of angels slowly marching and countermarching to and fro in the clouds, their white robes and helmets glistering in the light."

This same account states that William West, a farmer living near Georgetown, saw "bands of soldiers of great size, equipped in dazzling uniforms, their muskets shimmering in the pale, weird light that seemed to be everywhere, marching with military precision up and down and presenting arms. The vision lasted long enough to be seen by a number of West's neighbors. Many people living near Laurel, many miles away, saw the same extraordinary phenomena; in Talbot County the illusion was seen by numbers."

A story by Arthur Machen is said to have inspired the famed tale of the "Angels of Mons" in World War I. At the moment when German forces were about to overwhelm the British Army during its retreat from Mons in 1914, spectral warriors — English bowmen from the field of Agincourt — intervened and kept the Germans at bay until the main army succeeded in making good its escape.

Despite the Machen story, a number of soldiers gave testimony that they had actually seen a phantom army at that time, or something very like it. Their accounts were published at the time in British newspapers, and in books by Harold Begbie, Ralph Shirley and in Hereward Carrington's Psychical Phenomena and the War. It remains a matter of controversy.

However, a similar report by Capt. C. W. Haywood was published in the English National Message magazine in 1940. The captain said he was an intelligence officer in World War I on the First Army Front. An exceptionally heavy bombardment routed Portuguese troops from their trenches near Bethune, and the British had to retreat to avoid being flanked and destroyed. Bethune was being subjected to intense German fire, when suddenly the shelling lifted to burst on open ground beyond the town bare of trenches, houses and even trees. The British watched in amazement.

Captain Haywood said he made his way

to the edge of town when the firing mysteriously ceased and he discovered that the Germans were rapidly retreating in disorder. He ordered his men to pursue the Germans and bring back prisoners, officers if possible, to find out what had happened. These orders were carried out.

The officers said that as a wind blew away the smoke from the burning houses, they saw a huge body of men clad in white uniforms and mounted on white horses approaching the town from the other side. As this weird cavalry advanced, their figures clearly outlined in the shining sun, the shells exploded in the midst of their ranks, but not a man nor a horse fell. Like a relentless incoming tide through the atmosphere, the white cavalry flowed forward, led by an imposing commander astride a charger and holding high a Crusader sword. Terror-stricken, the German troops broke into panic, fled and left the battlefield to the Allies.

Ghostly armies have marched worldwide. In Hawaii as far back as native history goes, there have been from time to time mass materializations of the dead, usually at night. They have consisted of traveling crowds of men, women and children, laughing, singing, scenting the air with perfume of the mountain maile. Usually they were only heard, but sometimes they were visible to the living.

The late Max Freedom Long, Huna authority, tells of an investigator, Dr. John Tanner, who once heard the sounds of invisible feet shuffling along in a procession at night in the Waikiki district near the site of a dead king's summer home. He hurried to the old Royal Palace three miles distant. In a short time the procession arrived, but it turned away short of the palace and stopped upon reaching the royal tombs in the burial ground of the neighboring missionary (Kawaiahao) Church.

But it is the marching armies of Hawaiian warriors and their chiefs, carrying torches and beating drums, that frighten the native. Anyone caught in their line of march is left dead, so the living, when hearing or seeing the approach of these bands, flee or hide at a safe distance until the marchers have passed.

The Japanese attack on Pearl Harbor was on the morning of Dec. 7, 1941. On the night before — December 6 — two warrior armies marched. The story is told in Paradise of the Pacific magazine, published in Honolulu (Dec., 1943, issue). Were these manifestations auguries of the assault about to begin?

Near the village of Maluhonua, not far

from Pearl Harbor, the residents were awakened by the sounds of marching men shortly before midnight. Some went to the doors and looked outside, but they could not see, only hear the grim tramp. It was coming from the heiau (ruins of an ancient temple platform) at the head of the valley, then it passed through the village and outward to the sea.

A scream of mortal agony had been heard during the march in the valley above the settlement. The next morning the lifeless body of one of the young men of the village was found on the trail. There was no mark of violence upon him. Perhaps, said the elder natives, he had been taught in a modern school that the magic of the ancient *Kahunas* was only superstition, and he had paid with his life for his skepticism. And on this same night at about the same time there had been a similar march in the Lumahai Valley on the island of Kauai. The body of an elderly Japanese man was found in the path of the marchers.

After the Pearl Harbor attack, the Japanese invaded the Philippines. Manila and Cavite were taken Jan. 2, 1942. With the fall of Bataan on April 8 the Japanese occupied all of the mainland. U.S. and Filipino troops made their last stand on the island-fortress

of Corregidor guarding Manila Bay. Here in an elaborate tunnel system officers and men, nurses and convalescents, lived a molelike existence.

During April and the first days of May, the besieged garrison was the target of thousands of shells and bombs. The growing number of wounded taxed the facilities of the underground hospital; their suffering was intensified by shortages of anesthetics and other pain-relieving drugs. Supply ships were sunk by shore batteries, and dwindling food supplies reduced rations to a bare subsistence level. Flesh and blood could not long endure this merciless day and night pounding, nor could the island's defenses escape destruction. One by one the pillboxes and gun emplacements were knocked out. The end came on May 6. After five months' resistance Corregidor was surrendered.

Today ghosts walk on the tadpole-shaped island with its three devastated square miles. The tunnel walls are crumbling and parts of it have returned to the jungle. Its inhabitants were interviewed by Lester Bell, military writer of the San Diego Union. They consist of a family of government caretakers, a small Filipino Marine detachment, and a group of firewood cutters.

They insist they have heard sounds from

out of the past — the marching of troops, the dragging of chains, the moans of men in pain. They swear they have observed phantom soldiers, unsubstantial but distinct. The Marines say they have nearly rubbed shoulders with the scouts of decades ago while on guard duty. According to the caretakers, a nurse in a Red Cross uniform and a red-headed woman wearing a gown have repeatedly appeared and vanished.

Frightened firewood cutters reported that one evening, at dusk they had seen wounded and bleeding men running around near a tunnel entrance. Three nights later Florentino R. Das, supervisor for tourism for Luzon, made an investigation under bright moonlight. He and his wife seemed to hear men in pain. "The sounds seemed to be moving away toward the Malinta Tunnel," he said.

Memories of Corregidor are both bitter with suffering and defeat, and proud with courage and fortitude. As a former Philippine Defense Secretary has said, "It was here in this once-great fortress that the defenders fought almost beyond human endurance. From Bataan and here began the cruel and vicious death marches with agony at its ultimate. Indeed, why shouldn't it be haunted."

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B.S.R.F. BULLETIN BOARD

OPERATION CLINCHER

In the May-June 1990 Bulletin Board we listed a public notice of Trevor Constable's official filing of OPERATION CLINCHER, a project designed to reduce smog in the Los Angeles basin and surrounding regions using etheric technology. The stated aim of CLINCHER was "RECORD SEASONAL REDUCTION OF SMOG, 1990, SOUTHERN CALIFORNIA." While we do not have the final results in at BSRF yet the information that we do have is that the operation was highly successful. The Oceanside Blade-Citizen of 18 AUG 1990 reports, "L.A. AIR CLEANEST IN 15 YEARS" which is said to be due to "unusually stormy summer weather and tougher anti-pollution measures." The Air Quality Management District was fully informed of CLINCHER during its progress, as well as all previous operations, and its claim that "tougher anti-pollution measures" kept the smog down doesn't hold up under scrutiny. The record shows that in 1987, 1989 and 1990, when Trevor's equipment has been in operation, smog levels have been at their lowest. In 1988, when no operation was in progress in Southern California (See PROJECT TANGO - *Rainmaking in the Singapore Dry Season*, Sept-Oct 1989 JBR for activities during that period) the L.A. region had the second worse smog season of the decade. Etheric technology can be used today to aid in cleaning up our environmental mess. Tougher regulations make life harder for the average person, but haven't yet done much to clean the air. As Trevor has pointed out in a communication, 12 OCT 90, one of the grosser errors of our time is in "seeking to correct the consequences of Mechanism with vast mechanistic projects, attended by irrational expectations." Armies of lawyers writing regulations can never produce the profound results that simple geometric forms, under knowledgeable guidance, can produce. Congratulations on a successful operation, Trevor.

THE COSMIC PULSE OF LIFE

** The book "The Cosmic Pulse of Life" by Trevor James Constable is one of the most ground breaking works ever!!! It does for science and ufology what Yogananda's "Autobiography of a Yogi" and Muktananda's "Play Of Consciousness" did for yoga, meditation and true SELF-REALIZATION. Constable's work confirms Meade Layne's theory about UFOS, being mental constructs and using Reich's orgone for propulsion. It also confirms what the late Swami Muktananda told of his inner journey to the higher planes, called "Lokas", traveling in the "Blue Star". Muktananda also discusses UFOS being created and powered by the blue light of shakti, the supreme universal energy of creation. This is discussed in the book, "In the Company of a Siddha", a rare book of

interviews with this modern saint by many great people including an interview from Jacques Vallee on UFOS. Or-gone, the blue light, Kundalini Shakti is one and the same! Muktananda's books may be purchased only from S.Y.D.A. Foundation in South Fallsberg, N.Y. Thanks very much for all the great work of B.S.R.F. and may its efforts flower in the world!

Marc Williams
Springfield, VA

** Thank you for the 1990 update of THE COSMIC PULSE OF LIFE. I still work on the 1975 version, still try to go after that 18A filter for my work. Since then we have video cameras, more direct bandpass filters and a whole host of more gadgets to work with. And almost no one in the UFO community has taken up any of this work, they prefer to be lead down the garden path than rather strike out on their own like Trevor. That Cooper-Green-Lear bunch is finally getting to me as well, what a disservice to the independent researcher. One thing I have learned out of this is to be led by your own guidance system that your creator gave you on day one. Trevor is one of those people enhancing this aspect. Whatever Trevor is doing at present is proprietary and most likely cannot be leaked to the general public, therefore barring us all from more hands-on experiments. To be honest, I may have to do the same thing, in case I notice a commercial application for my talents. For this reason we all seem to suffer from the same malady which results in partial information to the very same people we like to share with. SEE YOU IN THE LIGHT,

Bodo Capeller
San Valley, CA.

Bodo also submitted this review of "THE COSMIC PULSE OF LIFE" by Trevor James Constable: This book is one of the classics, it belongs in everybody's library of UFO materials. We have been treated to UFO's from deep space, we know about UFO's manufactured on this planet, and now Trevor Constable treats us to the very archetype of the UFO found in the 'ethers'. This perception has remained unchallenged in almost 15 years and is annotated in this 1990 version with additional material from overseas by sources not known by Trevor 15 years ago, a prime example of synchronicity. The book also goes very deep into Trevor's 'spiritual sponsors', their short biographies and tremendous accomplishments.

An outstanding feature is the revelation of data on how to replicate the photographic findings through application of certain bandpass filters that only permit light to go through in the extreme ends of the visible light spectrum. Unfortu-

nately not much is offered in terms of the 'cloudbuster', which is an important device attracting those 'bioforms' or UFOS in the first place.

To summarize, this updated version is a welcome addition to the serious UFO researcher, has more than enough hints and encouragement to get yourself involved to supply the missing pieces, even after 15 years of the original version this book is still consulted for new angles to explore.

**** Have finished THE COSMIC PULSE OF LIFE.** A wonderful education!!! But as I am getting up in years I cannot wait a possible 10 years before I run across the information I want to know. Please, please!!! Where can I get more information about the "genital rights of babies, infants and adolescents?" What do the 7 words mean? Right now they are just seven words. Articles, essays, books, you name it and I will get it. If this is explained in the book I missed it.

Evelyn Bishart
Wheaton, IL.

The response coming in here at B.S.R.F. to the new edition of COSMIC PULSE has been tremendous. We have even had requests for a hardbound edition, because people feel that the book is so good that they want it in their library for life. It is an excellent introduction to the borderland fields of research, as well as being an advanced guide to continue on with for years. It differs quite a bit from views held in the the present UFO field, which consist mainly of "former" government employees and intelligence contacts who have decided to tell everyone the "truth", a "truth" which conveniently ignores the researches of pioneers such as Trevor and Morris Jessup, and in fact caters to the lowest common denominator of fear and suggestion. At B.S.R.F. we never became fed up with that school of thought because we never entertained it, other than to see how far this intelligence operation would enter the UFO field. It has unfortunately overtaken it, confusing and diverting many fine minds, and that makes COSMIC PULSE more important than ever in getting to the reality of the matter.

The information that Evelyn seeks on the genital rights of infants derives from the work of Wilhelm Reich wherein he felt that the social problems of our modern world are caused by sexual inhibitions impressed on humans beginning in the crib. This gives rise to "character armor" which inhibits the flow of natural energy in the human organism. A good source for understanding how Reich derived his concepts in this area is: FURY ON EARTH by Myron Sharaf; and of course the writings of Wilhelm Reich himself. Write the Wilhelm Reich Museum, PO Box 687, Ranglely ME 04970. Also, Jim DeMeo, of Natural Energy Works, PO Box 864, El Cerrito, CA 94530, has done some investigation into this area and is also a source for Reich's original writings.

CURRY CROSSINGS

**** I found the article on Currywalls very useful.** The task now is how to disperse them. I find our blessed Buddha statues

useful and also a wind chime made of xylophone keys. In both cases nature spirits break up the walls somewhat. Also I have found shifting beds a couple of feet makes a big difference.

Russell Holland

Queensland, Australia

PSIONIC GENERATORS

**** In the past I was in communication with T.G.Hieronymus.** My question is, is he still alive? I have the greatest respect for him and did follow up on some of his suggestions which gave me some extremely interesting results.

In your May-Aug 1990 issue, you mentioned a book by John Boyle, "The Psionic Pattern Generator Book" (ISBN 0-13-736975-1 by Prentice Hall, 1975. Being in Mexico, I don't have easy access to the various to various publisher's addresses. Do you have this book in stock or can you give me the address and price as to where I can obtain one. I believe that this book could be used to give graphic demonstrations of what I am trying to develop in some of my research.

Do you have any data on "SATHYA SAI BABA"? If you haven't, I would suggest most strongly that you check up on him and his activities, an EXTREMELY interesting MAN(?). Sathya Sai Baba Center, 7911 Willoughby Ave., Los Angeles, CA. 90046, (213) 656-9373.

Joseph Curry

Alamos, Sonora, Mexico

Dr. T. Galen Hieronymus passed on in February of 1988, leaving a tremendous legacy of radionic research behind. His group, Advanced Sciences Research & Development continues on, led by his dedicated wife Sarah. Contact: Advanced Sciences R&D, PO Box 109, Lakemont GA 30552, (401) 782-2092. Don't know the current availability of "The Psionic Pattern Generator Book", but perhaps we can find out and let everyone know. It is basically a book of patterns such as cones, pyramids and other geometric forms, which are hung from threads in simple or complex variations. By focusing the mind on these forms one can get them to spin. I was able to get one going in one direction and another in the opposing direction at the same time. I would love to run more on this so will keep all posted if info comes in.

Yes, I've heard of Sai Baba. He appears to be capable of yogic siddhis such as dumping pounds of ashes out of a small vase, which we have seen on video. He may very well be a true holy man, and if such we need more such people on earth. But we are in a stage of consciousness where gurus are no longer needed for the development of our ego consciousness in preparation for further stages of planetary development. Having a teacher is one thing, we all need them. Does Sai Baba teach how to attain his state, and have any of his disciples done so? Following someone who performs miracles leaves one a follower and not a leader and we need more leaders today. Orientation is always of prime importance.

SPIRITUAL RADIOS

**** I'm renewing our subscription for a another year for what**

I really feel is quite an exceptional journal. One that, I for one shall certainly continue with, hopefully for a long time still to come. Though it would be nice, if you were occasionally to bring out some really bizarre stuff, touching on Atlantean technology, or some weird communications device, other contentious weird contraptions. Nonetheless it's still pretty-much quite an exceptional journal. So do try and, keep on churning them on out to us, if it's not over-loading you down too much. One wonders if you've ever contemplated reissuing the HEFFERLIN MANUSCRIPTS which were being retyped up by the late Mrs. Crabb. I think she might have at that time been working on 'part 3', considering that I already have 'parts 1 and 2'. So what do you think the likelihood is of you reissuing the entire lot of these 'HEFFERLIN MANUSCRIPTS'. Lastly, might one ask if you have any additional information on the 'ZWAMM RAY APPARATUS'. Which was issued by the Electronics Communications Group operating out of London. I did manage to get some information out of Riley Crabb, like how the ZWAMM RAY APPARATUS operated, and how one might put one together. It might be worth writing the information up in some future edition of the publication entitled PROJECT HERMES (TWO INVENTORS RETURN). However if at some stage should I be fortunate enough to locate other information describing the ZWAMM RAY APPARATUS, I shall be only too happy to pass it on. For I do personally think it belongs in with the HERMES PROJECT. Being a communications device of some description. Putting us in touch with the great beyond. So hope you have success in searching this out for us. Hope you can get all this other stuff wrapped up for us as well.

R. A. Falk
Auckland, New Zealand

Thanks for your comments on the Journal. Perhaps the article in this issue on Jack Derby will help fulfill your need for some "weird contraptions". Basically I've taken BSRF away from the weird contraption mode and have tried to orient towards a spiritual scientific approach to the matter of penetrating into the mysteries of manifestation. As my good friend Vince Gaddis, who spent many years investigating psychics and mediums, has related to me on several occasions, people who die and whose spirits communicate from the other side seem as confused as we do on general matters. Perhaps they may have the added experience of death, but as researchers into the Near Death Experience know, there are many variations of that experience. To understand the spiritual realms one should really look into the resultant of the spiritual life of the universe, the physical world. If people would read Rudolf Steiner's scientific courses, or read some of the works of his students like Lilly and Eugen Kolisko or Rudolf Hauschka they will find far more profound and lofty insights based on an aware perception of what is here now than have ever come from a seance. Of course, if someone showed up at our door today with a device that would allow me to talk to spirits, I'd turn it on and ask a few questions. I'd

later turn it off and get on with my work. If it worked I'd run a schematic in the Journal so others could try. The Hefferlin Manuscripts, I & II were issued for many years by BSRF. I dropped them from the catalog because nobody bought them. I'm not familiar with the ZWAMM RAY APPARATUS but if anyone has a working model I'd like to turn it on for a test, and we could add the info to our PROJECT HERMES file for researchers into this area.

AIDS VARMINTS

** Please find enclosed a photo copy of an article clipped from the Roanoke Times as reprinted from the S.F. Chronicle. Probably you have seen it already but for many of the Journal readers who may have missed it, I feel that it is a must for inclusion in the next issue. Maybe you can help us find more information on Iben Browning and his theories. And too getting the word out that much more may save an extra life or two. [The article is in reference to Browning's prediction of an earthquake on the New Madrid Fault on or around December 3, 1990, which has received national attention since we received this letter. TJB]

Next subject: I'm sure you have read Bearden's Aids-Biological Warfare. Scary stuff. Have you read Dr. Douglas' Aids-The End of Civilization? Scariest stuff. Why? Because Douglas is a top notch medical doctor who knows his business and he confirms everything Bearden has claimed. Using simple arithmetic and published figures from several different sources, one can reasonably project that by 1995, 1/2 of the U.S. population will be infected by the Aids virus. By 2005, 1/2 of us will be dead, dead, dead. There may not be agreement on exactly what Aids is but as an informed layman I know what Aids is similar to. Aids is medically and symptomatically very much like rabies. Not just your ordinary garden variety mad-dog in the street rabies but worse. A mutant highly contagious slow death virus that feeds exclusively on people. It is loose right now taking our best workers, our best minds and our only children.

I like to breathe. The big medical guns, who (no pun intended) by the way, made and released the killer virus in the first place, are in the second place putting on a rather dismal show with their alleged efforts to clean up their mess. By default it has fallen to the amateur and unconventional scientists — Borderlanders if you will, to mount some kind of effective resistance to the horrible plague that is upon us.

Tom if you and the BSRF can somehow get anti-viral electro-magnetic hardware into the hands of enough concerned researchers it could possibly lay the ground work of a new system of health care that might not only be a last ditch defense from Aids but a first line assault on the whole problem of human poverty and disease. If the threat of extinction cannot rouse us to action, we are perhaps not fit to survive.

The essence of what I am trying to say in this letter is this: Is there any point to anything at all, if there is no point to stopping Aids before it stops us? Can we sit on our hands and wait for them to do something? It seems that "them" have

already done something, namely to put every man, woman and child in line to be the recipient of a very slow and nasty death. It is time for action, any action, as a group or as an individual. Go ahead and panic now, it will save time later on.

Wayne Rice

Rocky Mount, VA

No need to panic, Wayne, somebody is pulling your leg. There are no massive die-offs from AIDS happening, in fact the number of real AIDS cases is going down. The numbers from the Center for Disease Control are going up due to manipulation of statistics and reclassification of anyone testing positive for supposed AIDS virus antibodies as full blown AIDS on the statistics sheets. One of the most outstanding features of partially informed AIDS researchers has been their ability to masturbate with a calculator and count the millions of dead before they die. Overlooked completely in Bearden's and Wm. Campbell Douglas' partially researched scare stories is the basic fact that AIDS is not caused by a virus, that the virus (which could well be manufactured) is a marker in only certain cases and that many people have AIDS symptoms worldwide without any signs of the many AIDS viruses now claimed to exist. If the Commies created a virus to wipe out the U.S., as Bearden likes to scare people into believing, it would wipe out their population at the same time, leaving no-one for the elite to push around. If it is a virus it confounds all known laws of virology. We have published on such in this Journal, and that is the reason we asked Michael Urban to speak on such at our Congress last June. Michael couldn't make it and suggested we invite Joan McKenna of the Institute for Thermobaric Studies in Berkeley CA. We were happy to have hosted such a sincere, aware and informed researcher and her talk on the connection between syphilis and AIDS is some of the best info available to the researcher. No scare stories, or displays of calculator frenzy, just the simple facts of the matter -- that AIDS is most likely a form of tertiary syphilis and can be treated and disposed of! We understand that there have been hundreds of cases of complete remission in Europe from ozone therapies. It's illegal to cure someone in the U.S., especially when the disease has been mandated as incurable. What I get a kick out of most with the AIDS scare stories is that they emanate from people who think that the "establishment" is a source of disinformation on all levels (possibly!). However, they believe what they want out of the info about the virus and reject what doesn't fit their picture -- even if it is in the "alternative" press. If Douglass is a real doctor then he should be putting out information that will help people and make them feel better, not twisted information that scares them and makes them sick -- it is in violation of his oath to heal!

UNIVERSAL MIND

** I do not possess scientific mind but scientists do not possess Universal Mind either. What you profess to sell is very true: they are the Fruits of the Tree of Life. Not every Human Being is allowed to reach to EAT the Fruits of the

Tree of Life: It is forbidden, however in this present Cycle of the Creation which is called "In the Beginning God said let there be Light and there was LIGHT" it is an exception. Nowadays, men are selling Adam's Apple whereas there is no Adam and Eve and no Apple at all. In this Universal Age Human Beings are in a very delicate and precarious situation: It is called the End of Time. Every Cycle has a Beginning and has an END. According to the prominent Astronomers this Universe is expanding and the Birth of a New Universe is on the Horizon. We are on the threshold of New discoveries especially in the Spiritual Realm, and this Reality will bring mankind to its knees.

Jacob Barsamian

Fresno, CA

BACK ISSUES

** I have been a subscriber to The Journal of Borderland Research for about a year, and wanted to tell you how much I enjoy it. My mind feels like a rubber band...every stretching. If possible, I would like to purchase some back issues, and was wondering whether or not you could send me some information concerning prices, availability, etc.

David Wemple

Albany, NY

One of the neglected projects here at B.S.R.F. has been to supply back issues. We have back issues in stock to May-June 1989, with no contents listing currently available. They are \$5 apiece PP in U.S., plus an extra \$2 air postage outside US. It has always been our intention to make all the back issues available, back to 1945. The time and money needed to support such a project have yet to materialize. With proper funding we could put the entire history of B.S.R.F. on computer for rapid access to any info covered.

HUBBLE TELESCOPE USE

** The launch of the new Hubble Space Telescope is supposed to lead to new discoveries in astronomy that would revolutionize our conception of the universe in cosmology, star-galaxy formation, looking for distant objects and search for planets around other stars. In reality, telescope time will be allocated to researchers who support existing theories at the expense of those who support Steiner, Wolf, Hoyle, Reich, Larson, Hamilton, Adams-Whicher, etc... The status quo researchers are afraid that the discovery of objects beyond 20 billion light-years and planets around other stars will increase the chance of discovering extraterrestrial life. The extraterrestrial life discovery would mean humanity is not at the center of the universe. BSRF could counter it by using dowsing and radionic methods to look for planets around stars other than our sun and objects beyond 20 billion light-years.

B. Greenman

Chicago, IL

The Hubble telescope will be used to confirm what the

scientists already conceive, with a few fudge factors to account for new discoveries. It can focus on light waves travelling through space after they bounce off of a secondary surface like the reflecting mirror that needs fixing. The Hubble, while being a fantastic tool which I myself would like to use, is a tunnel vision device *par excellence*, for it overlooks the qualities of the potent energies, both in and outside of the light bands, streaming in from the periphery of space. Lilly Kolisko and Rudolf Hauschka were two researchers who have already discovered far more in their scientific work than the Hubble could ever hope to see. They discovered the force and form streaming in from space and enlivening the surface of this planet and were able to objectify it through plant growth and sensitive crystallization experiments. Modern science will continue on a backburner in the reality of universal happenings until it begins to understand the living energies of the universe. The secret of life will hardly be found looking at magnified pictures of stars, for it is present where we are now, though somewhat buried in the noise of our industrialized civilization.

As far as our present human lives are concerned, earth is the center of the universe. People forget that science has convinced them that what they actually see and experience isn't true! The horizon, the sun moving through the sky, etc, are all just illusions according to the heliocentric view of the universe. Before the Copernican revolution people lived in a spiritual universe, connected to the stars and planets which revolved around the earth, as they saw and experienced. After the discovery of the telescope this type of consciousness was completely uprooted and the breaking of these spiritual contacts gave rise to the scientific consciousness of today. This has given us the tremendous technology still growing around us, and its down side, the pollution and degraded natural state of the earth. What is truly needed is another "Copernican Revolution", but not one that goes backwards to geocentrism, but one that goes forward, incorporating both geocentrism and heliocentrism in our consciousness' move outward into the universal streams towards concepts whose first glimmerings have shown up in Steiner's scientific indications. And radionics would be an excellent way to check for life, even using photos from the Hubble as witnesses. The tools of modern science should not be rejected, they should be used with proper perspective.

COMPUTERIZED RADIONICS

****** Do you have any information as to the manufacture of some of the latest ELF devices that are computer driven such as the SE-5, whereby the whole spectrum of frequency programs can be used for plant, animal and human application? I notice that you don't merchandise any equipment -- just information -- but I'd like to hear from you for any guidance. By the way, I did not see "Energy Refractors" in your Resource Guide re: newsletters, etc. They are at 53166 Star Route 681, Reedsville, OH 45772.

Bert DeLotto
Fresno, CA

The SE-5 is a powerful computerized instrument, and is not generally considered an ELF (Extreme Low Frequency) device. Some people call it radionics, but that stretches the concept of radionics because radionics instruments are structures in space, setting a specific rate on a dial creates a specific vibration in the instrument. It could be psychotronic, that is, the instrument merely acts as a focus for psychic energies, and is superfluous if the person can overcome the need for a physical anchor. The computer generated rates flashing on the screen of these devices are generated in a synthetic sub-realm. We have heard good things and bad things about these computer devices, which is to be expected of any tool. We ran several articles in 1988 by Jay Christopher, one of which puts computer use in radionics into true perspective as a sub-realm outside the energies of life.

My experience with the SE-5 is as follows: At a conference in 1987 there was a booth selling these devices. I was told that this was the new wave of radionics, that it could automatically find any rate in the universe -- for such are the supposed wonders of computers. I asked if it could tell me exactly the metallic content of a coin and was told certainly, it could. I was then asked if I wanted a demonstration, to which I readily agreed. I was asked for my driver's license (for my picture/witness) which I supplied, wondering what that had to do with the mineral content of coins. My license was placed into the machine and a batch of numbers flashed on the screen after a few buttons were pushed. My license was then pulled out and I was told that my chakras were now balanced. Needless to say I lost interest in the instrument because nobody at the booth could demonstrate what they claimed, but would readily take my \$2,000 based on their sincere belief in these claims. This group was going to send us one for evaluation and testing, which we never received. This is just my experience and these computerized radionic units should be considered valuable research tools on the empirical basis that people are getting action at a distance results from them. I have spoken with people who use them quite successfully, and in some cases quite dramatically. Some good friends have used one quite successfully in treating themselves for various ailments over the last couple of years -- they could also tell the effects of doctor administered drugs on different organs, and such. If it works for you use it.

Is it radionic, a shadow thereof, or merely psycho-tronic? Using Lilly Kolisko's methods one could rapidly find whether using a regular radionic instrument to potentize water at a specific rate would have the same effect as using a computerized instrument. I'd be happy to supply whatever data necessary to anyone willing to do such experiments.

I don't know the current status of Energy Refractors as Jerry Fridenstine passed on late this summer, purportedly of a heart attack caused by a blood clot travelling from a broken leg. We were sorry to hear about Jerry's passing as he was an energetic person who woke people up to new ideas wherever he travelled. As Chuck Walters noted in ACRES, USA, Jerry was responsible for getting ACRES to publish on radionics, thereby bringing this idea into the minds of many farmers. He

always had a kind word to say about Borderland, and we'll miss him at future conventions. We wish his wife and family all the best, and should we get any further news on this we'll pass it along.

THAT MWO AGAIN

** I recently purchased your book on Multiple Wave Oscillators, "MWO Handbook", edited by Tom Brown. In the book are many references to the "Golden Ratio". I was unable to determine what the mathematical basis for the Golden Ratio is, or what the ratio itself is. I have other material which describe the Golden Section, and it is a ratio of .618 to 1. The closest I came to a value for the Golden Ratio is from the MWO antenna data on page 188 of your book -- the ratio appears to be 1.27:1. Could you please clarify the mathematics of the Golden Ratio antenna?

Burrell C. Smith
Palo Alto, CA

** I recently purchased *The Lakhovsky Multiple Wave Oscillator Handbook*. I am in the process of building an oscillator. I have all the parts except 6Kv .005mf capacitors. No electronic store in Alaska has them, or knows how to get them. I would appreciate it if you would send the address of either the manufacturer or an electronic store that carries 6Kv .005mf capacitors. I have one more question. Do you know of a meter or electronic apparatus that measures the amount of energy level the human body produces? It seems that like fingerprints, all human bodies are different in the amount of energy they use or produce. If one can coordinate the energy level of the oscillator to that of the body far less damage would be done and far greater healing potential be made.

Stephen M. Nair
Kodiak, AK

For the first question, the Golden Ratio antenna uses the golden ratio as a base, but it was engineered to conform to other considerations of antenna propagation. It is what is called a log periodic antenna. Eric Dollard worked out the equations from which we had a technical company inscribe the artwork. Haven't seen hide nor hair of Eric for several years so do not have him around to ask right now. If any of our members who have worked with these, (and I know there's a few out there), can supply further mathematical info please let us know. Also, if anyone has a major source for the capacitors and other related electronic components please send it in and we'll list it for everyone.

NEWS FROM PARIS...

** Some information which may help Lucille in Portugal. She should obtain Dr. Christopher's Eyebright Formula, which was available from Sunrider, PO Box 2020, Provo, Utah, 84603. If this firm has disappeared she should be able to get it from The Herb Shop, also in Provo, Utah. Small quantities should be used at first, since it stings like the devil, and it should be prepared with distilled water. This mixture

has improved the sight of thousands of people, with all kinds of eye disorders -- glaucoma, cataract or just plain failing vision and has even brought the sight to a baby born blind.

While I'm writing to you, I'd like to mention with regard to "Electricity the Main Culprit" that just after the war, Gurdjieff wrote a chapter in his book *All and Everything* entitled "Beelzebub says that man's capture and subsequent destruction of electricity from nature is one of the main causes of the reduction in the human lifespan." And you are lucky in the US. In Europe we have a 230V system that is far more harmful than yours.

A final comment on the MWO which seems as popular as ever. When I lived in Paris I made the acquaintance of Lakhovsky's son and saw two of the MWO's built by his father in operation. The demonstration was very impressive but it didn't last too long because the old units interfered seriously with radio and television reception in the area. They were very big units, about as large as an early TV set. I don't know where they are now since he later loaned them to friends living in the country.

Ron Crossley
Paris, France

Thanks for the data on the eye formula. Very curious quote from Gurdjieff as it concurs with what Steiner indicated, that electricity makes living things sclerotic. If perhaps you wouldn't mind searching your memory a bit more I have a question about Lakhovsky's device: You say it interfered with radio and television reception. Was this from internal spark gaps, or did any unit you see arc between antenna coils. The pictures in *The Secret of Life* indicate that the then necessary spark gaps were interior to the unit, and the pictures of the effluvia coming off the antenna are obviously pictures of corona discharge and not arcing as in the units built in the US today. Bob Beck, in his 1963 article on MWO's claims he built a unit from an original, but his antenna hook-up is quite different from Lakhovsky's pictures. Many years of searching have failed to produce an original unit. The modern units are derived from the most obvious derivation of Lakhovsky's first MWO patent, which is written to both protect his design and cover infinite variations thereof. A detailed account of an original MWO in action would be of great value in this research.

SOUTH OF THE BORDERLAND

** Two news items for you: (a) Recently, in mid-July 1990 and until now, an anti-cancerous treatment called H.A.N.S.I. (Homeopatico Activador Natural del Sistema Immunologico = Immunologic System's Homeopathic Natural Activator) has been released and approved for general use. This system employs, much like Hoxsey's, cacti and minerals in combination and in highly-diluted doses. Apparently, it is more effective than Hoxsey's for it makes the diseased tissue go back to its former healthy condition and does not dry it for further elimination with pincers or a local surgical operation. The flesh returns to normal! So far, this treatment has been

found useful in all kinds of cancers but it has not been tested in cases as severe as those indicated at the book "You don't have to die!". I will keep you posted on further developments.

Why was it not suppressed by the government? I do not know; perhaps because it has been analyzed by biochemists and found not to contain any allopathic compound, thus falling into the category of "homeopathic prescription" which, in Argentina, is NOT under government control as long as it is prescribed and applied by certified MDs. The HANSI treatment has been discovered by one Argentine fitologist called Juan Hirschmann and is applied medically by two MDs called Crescenti, of family name, who are cousins in the first degree. There are about 100 patients (or close relatives to them) attending their small clinic every day for treatment and their turns are taken up to November 1990, for theirs is just a small clinic and cannot attend more people. If any other MDs take their treatment for general-prescription and thus it spreads, I will tell you in future letters.

(b) I have read Mark Clemens' "The Waves That Heal" and discovered a little piece of information not included in the current edition to "The Lakhovsky M.W.O. Handbook" published by BSRF. In 'Waves' I noted a short sentence indicating that one set of rings transmits energy through space which falls upon the patient's body and (it must be ascertained through experiment whether this is as I tell here or otherwise) later absorbed by the receiving resonator which resonates it for re-broadcasting into the patient's body. Thus the true Lakhovsky MWO, and UNLIKE the Beck-reconstructed model, would be a more-complex device involving features so-far unthought of. It must be ascertained what KIND of "receiving resonator" Lakhovsky employed, if it had or not special constituents not described at any of his patents included in the 'MWO Handbook' and what other features could be complementary to both.

Another feature to be considered, and which I discovered in the photo of page 30 to Clemens' book is that there are two protruding spheres connected to the outermost ring of the Lakhovsky set-up. In the copy of the BSRF publication I have, these two photographs are reduced and with not the same kind of resolution of the work by Clemens. Each protruding sphere is connected to a cable and — following the path of least resistance — the electrostatic current flows both along the metallic path of the outermost ring and the excesses accumulated from attracting ether from the environment are projected towards the patient (in the case of the transmitter) and collected for resonating (in the instance of the receiving resonator). Also notice that there are two "bracing wires" to both keep the rings in place and at the same time to fulfill the 90° division determined for Earth by the metric theorems which are the foundation of the Energy Grid! This adds another feature of complexity to the making or duplication of the MWO, which carries the Lakhovsky invention, again, farther from the Beck-built model.

Please mention my paper "Some Free-Energy Devices" for the analysis I made there of the MWO is — at best — very

incomplete, not including the feature of non-uniformity the true MWO does possess.

Jorge Resines
Buenos Aires, Argentina

Please do keep us posted on the HANSI treatment. Glad to hear that it slipped through a government loophole and is actually helping people. We hope for such things in the US, but the rule of thumb is that if it makes you feel better or heals you then it is illegal. Wouldn't do to have happy, healthy people in times of engineered emergencies.

Thanks also for your further insights into the MWO. I feel that a continuing dialogue will eventually produce more evidence as to what type of equipment Lakhovsky used in his successful researches into cell regeneration and how to best reproduce it. The resonator antenna setup on Lakhovsky's original is more complex than the Beck MWO, as, like the primary antenna, it also has two feeder wires. The two spheres you mention, from which brush discharges can be seen, have always struck me as the nuts that held the heavy antenna onto its stand. Some mechanical contrivance was necessary and the mini-spheres fit the bill with the possibility that they may have been further configured to produce a specific capacitance, as our evidence indicates that Lakhovsky's antennae were very precisely built, probably log periodic. We have heard that Lakhovsky was a radiesthesiast and would dowse the sites where he set his equipment up. He was certainly into the subtle energies, and the French school was very precise in its radiesthetic work, being the source material for much of Christopher Hills Supersensonics work. We have an unconfirmed report that the original tube antennae were filled with a rare gas such as argon. This would seem to be the case as in Lakhovsky's second MWO patent he reduced the antennae and puts them into vacuum or low pressure gas bulbs (as the first, this patent is written to be very specifically vague). This was meant to be an improvement over the original units, and probably was. What it tells us is that the "Beck" units appear to be far from what Lakhovsky was doing and where he was going, though because of more than 25 years of people building and using Beck models it is hard find information on the original. The "bracing wires" are supposedly silk. Their angle was probably determined solely by mechanical function. (see cover)

We have actually come under attack for our attempts to clarify the MWO story! In a brochure put out by MWO salesman Mike Brown, Box 25, Pleasant Hope, MO 65725, we come in for the following treatment: "Then there are the characters who, with no formal training whatsoever, denigrate tings [sic] they know less than nothing about. One outfit calling itself Borderland Research sent out a bulletin claiming that no-one today is manufacturing a Lakhovsky Multiple Wave Oscillator. These characters arrived at their conclusion by comparing photos of a 1935 unit to ones being made today. The units don't have the same external appearance. Quite often people with no formal training in electronics or electricity don't understand that an electronic device

and how it operates are determined by the circuitry contained within the unit, not by the box it comes in." My comments are that there are perhaps *things* we don't know but we do know that what is inside counts as much as the outside on the MWO. I have put five years of serious investigation into the MWO I would have to say that what we have published is the result of serious consideration by a number of intelligent, some highly trained, people interacting and exchanging ideas. We have published the evidence to support our contention, and have in fact stated that if we can be shown to be wrong then we would like to know, that we have no final conclusions, just some of the facts. A crude attempt to belittle our research by ignoring the main facts does not change the facts and the facts are that the units pictured in Lakhovsky's book *The Secret of Life* are quite a bit different than the units being built today, indicated specifically by the antenna hookups, which basic logic would indicate the need for a different interior setup. A thorough analysis of the basic differences between the two types of units can be found in *The Lakhovsky Multiple Wave Oscillator Handbook*, edited by myself, Tom Brown (no relation to Mike as many have asked). Mike's brochure then goes on to claim that "the equipment necessary to regrow arms and legs can be purchased at Radio Shack for about \$10", that is a "metal plate, copper wire, battery, and 100 K-ohm to 1.5 Megohm resistor." Heck, if you can grow an amputated arm back with a only battery and a resistor then why do we need all the electronics in a MWO just to drive out mere cancerous tissue?!

As a final note on this, I would like to point out that electricity is a system alterant. Whether it alters the system for better or worse depends on many other factors, including mental status. As Trevor Constable pointed out back in the 1960s in this Journal, the healing powers attributed to the MWO could be caused by the etheric force rushing to suppress the life-negative electro-magnetic activity. It is also possible that any benefits coming from modern day MWOs are psycho-tronic in nature -- that is the mind is doing the cure and the instrument provides a physical anchor for the psychic energies. The actual operation of the equipment, the sparking and gross electrical output, is superfluous to the matter, other than in convincing the mind that *something* is happening.

EYE OF REVELATION

** One question: I checked out from the 'inter-loan library' the book "The Eye of Revelation", now known as the "Fountain of Youth". It states that hurricanes rotate clockwise in the N. hemisphere. To my knowledge, they rotate CCW in the N. hemi. The book says to spin left to right (CW). My natural inclination is to want to spin CCW. Running a little test in the bathroom sinks here, I observed vortexes spinning in either direction as the water went down the drain. My question: Is the direction you spin in Rite 1 critical? Also, the other evening, while using my visual ray (*a la* COSMIC PULSE) on some clouds I observed some very unusual phenomena. A full report is forthcoming as soon as I get time

to type my notes up. I'm implying several weeks as I'm extremely busy on other dated materials. All I can say is I wish I had found out about BSRF and related groups 20 years ago!! I love it!

Stephen S. Miller
Tallahassee, FL

"Fountain of Youth" by Harbor Press is not the same as "The Eye of Revelation". BSRF publishes the only authentic, original version of Peter Kelder's book on the Five Rites of Rejuvenation. The "Fountain" book rewrote the story and changed some of the essential info, but does correctly show how to perform the exercises, and it has done an excellent job of spreading the info. If it says that hurricanes rotate clockwise in the northern hemisphere then they made a mistake. A vortex has a predominate direction, that is, water going down a drain will flow generally in the CCW direction in the northern hemisphere and opposite in the southern, but with a slight interference it will easily spin the other direction. I do the first of the Five Rites in the clockwise direction, but it could conceivably be done in either, depending on how strongly the change of direction affects you. The most critical aspect of borderland sciences is to go with what works, and if CCW spinning works best for you then do it!

GALLIMORE UNITS

** I was reading the Journal recently and became inspired to write you a letter about some of my interests; that may be an interest to other readers. First, the study of Radionics (for about ten years) prompted me to purchase a Gallimore radionic device and several of his publications on the subject. What I would like to know is: are there others out there that are familiar with Gallimore's work or has a Gallimore portable device that could shed some light on the workings of his particular approach to radionics? I had initially communicated with Jerry over the phone when I purchased his device but have lost contact with him over the years. Also, is there a place that I can obtain the laws regarding the shipping and use of a radionic device, (is it still against the law to ship devices over state lines?).

Don Ellison
San Francisco, CA.

Jerry Gallimore died in 1988, a real loss to the research community. We have a Gallimore Agricultural Unit #2 here in our collection and the detection system is a galvanic skin response meter, a definite and innovative change from the rubbing plate. I was never able to get this to work, and Jerry wanted to get together with me to show me how, which unfortunately never happened. If any of our members wish to contribute more info on this the pages are open, as any workable detection system for radionic energies is of prime interest here. Ditto for anyone with current legal status of shipping and use of radionic devices. I believe that they are legal as long as not sold or used for human health, other than immediate family, which is probably a good thing.

OUR ANONYMOUS FRIEND

****** About that article by "An Anonymous Friend", there are only a few who could write an article like that in the Anthroposophical circle. I find it a bit disconcerting that anyone would not want to be identified when they obviously have much to offer.

I also find it curious that in the same issue there is another article that touches on the same question. In Understanding the Continuous Universe, Rhetta says, "The Universe has not been created, it is CREATING by a thinking Force, which destroys that which it is creating in a manner which keeps a perfect balance between composing and decomposing form." The question is that of the nature of Force. According to Russell, *a la* Rhetta, we have a Universal Machine where by matter comes and goes almost of its own. My question is how a "thinking Force" can be termed a machine of any kind. As our Anonymous Friend has pointed out, there are Beings behind those Forces. There needs to be a "mind" behind Rhetta's "thinking Force". And, where there is a mind, there is a Being. What we have here is the classic question of Consistency. I have found G. Spencer Brown's Laws of Form to be a handy Occam's Razor in instances of this sort. In his book he addresses the use of "glyphs" (to use C.S. Peirce's term) in symbolic logic. Because he uses essentially one glyph in developing his calculus, it becomes fundamental to all forms of expression, from the simplest two-value logic to the more elegant syllogistic logic of written language. As regards Consistency, Brown states: "If, in a calculus intending several indications, they are anywhere confused, then they are everywhere confused, and if they are confused they are not distinguished, and if they are not distinguished they cannot be indicated, and the calculus thereby makes no indication. A calculus that does not confuse a distinction it intends will be said to be consistent." In so far as one is looking for the "distinction" pertaining to the nature of Force, one finds it "mind-full" in one place and "mindless" in another in Rhetta's article. This can be confusing, wouldn't you say?

Rick Knutson
Spring City, PA.

I don't know who our anonymous friend is but I do hope that he or she sends in more of their writings, as we got a number of calls and letters wanting to know who it was -- being anonymous draws more attention! Your discussion should also include certain followers of Wilhelm Reich who will accept the life energy only in its form objectively measurable around orgone accumulators, and who consider any higher awareness thereof (such as spiritual insights) to be a form of psychosis brought on by sexual repression (and they're serious too). I don't so much try for consistency in the Journal as I do to make it an outlet for many patterns of thought on the evolving side of consciousness. My personal orientation is toward the spiritual scientific writings, as they are such rich soil to grow in, and were there to be more available writings of that type I would certainly publish more. Walter Russell

apparently had a great illumination concerning chemical structure and the mechanics of universal force, but his spurious illumination apparently did not give the universal insight on many levels that Steiner maintained throughout his life. However, we should not reject Russell's work on that basis, because if one looks at Steiner's indications on how the elements should be arranged they will find that Russell provided the arrangement. I think that it is good to have conflicting viewpoints as it allows for perspective and an opportunity to really come to grips with one's own view. And then we can't be accused of being dogmatic!

RECEIVED

A partial listing of materials received at B.S.R.F. HQ.

* **THE CEREOLOGIST** - *The Journal for Crop Circle Studies*, Vol 1, Summer 1990, 11 Powis Gardens, London W11 1JG, UK. Edited by John Michell this is a new newsletter dedicated to "cereologists", crop circle researchers. The original crop circle phenomenon has expanded into various symbols accompanied by sounds and lights. This newsletter promises to show many sides of the story and could become the prime source for timely data on the subject. UK 7.50 Pounds, US\$18, International Money Orders only.

* **TONES.EXE** is a simple computer program that produces tones on the computer speaker ranging from 18.21Hz to 655.35Hz. Written by Roberto Artigas Jr., P.O. Box 281415, Memphis, TN 38168-1415. This program has been known to produce *ALTERED* states of consciousness, and is sold solely as a research tool into the effects of specific sound frequencies on your mind and body. A listing of the tones is given in the instructions with relationships suggested by past research into psychophysical effects of exact frequencies. By arrangement with the author this program is available through BSRF, Garberville CA 95440-0429. The only format now available is DOS 5-1/4" 360K DSDD diskette, \$10 plus \$2 P&H (\$3 P&H overseas), Californians add 6.25% sales tax.

* **BIODYNAMIC GARDENING** - *A How-To Guide* from Bokajo Enterprises, P.O. Box 1400, Wildomar CA 92395, to order (800) 776-5438; \$24.95 + P&H. Tired of shopping? Grow your own! This excellent video shows the basics needed to begin gardening in your back yard or on a large scale. It covers: how to build a BD compost pile to use in building your soil, even in the worst of soils; raised beds; rodent, bird and insects and how to deal with them in a benign manner without poisoning your soil (insects are there for a reason -- analyze why); crop regulation; safe fertilizers and supplements; weeds as resource; seeds and seed preparation; BD tree pastes; types of crops; why not to eat iceberg lettuce (no nutritional value); BD food lasts longer in storage; sources for seeds and equipment; and detailed explanations of many aspects of organic gardening. The traditional Biodynamic practices are not even mentioned, which is probably

necessary in order to get this quality information into the public's mind. If you want to eat in the future this video can help greatly. Well worth watching.

* **TRANSFORMATIONAL RESEARCH**, 2525 Arapahoe Ave, Suite E-4 #160, Boulder CO 80302, has submitted a very large stack of information on Urine Therapy. Mentioned in previous Journals this subject has created quite a bit of interest as a tool of self-healing. TR's info pack covers from the ancient Ayurvedic practices to modern uses in combatting AIDS and cancer. Rather than list this stack of books, articles and testimonials we suggest that interested parties send \$1 to TR for their current listing. A tip of the hat to TR's director Shoshame for compiling and making available such a tremendous resource list on this fascinating subject.

CONTACTS

Information resources and a nexus for researchers.

* **THE AEOLIAN OUTLOOK** is a newsletter exploring the relationship between astronomical relationships and weather. The AO for 1990-91 includes a few new features which should aid in the effective use of the information. One new feature is an expanded introduction which is designed to explain and illuminate the symbols found in the charts. This introduction will aid those not conversant with astronomical symbols and it also explains some of the thinking that lies behind astroclimatological procedures. By referring to the examples in the introduction, insight can be developed in the practice of long range weather prediction.

A second feature is the use of the Becker-Hagens world grid as a basis for the north polar projection used to cast the weekly charts. The world grid is a series of lines which are thought to represent the ley lines along which the energy of the earth travels. Buckminster Fuller used a cuboctahedral grid lattice to do much of his advanced cartography. Becker and Hagens, following the lead of Christopher Bird and a number of Russian researchers use a dodecaicosahedral grid lattice.

In a series of experiments this year it was recognized that the Becker-Hagens grid offered tremendous opportunities for streamlining and economizing the coordinates used in the Aeolian Outlook. Aspect lines which run parallel to the grid lines are shown on the monthly maps as double lines. Experiments have shown that these parallel lines amplify and induce currents in the meteorological sphere. By only recording the grid lines which are being energized by planetary aspects a much clearer and more accurate picture of storm growth and decay cycles can emerge from the data.

Each year brings surprises and missed indications in the work but the mistakes often are doors to greater insights. The 1990-91 Aeolian Outlook is a clearer, more educational tool for exploring astroclimatology. A six month subscription includes a day by day prediction for the winter storm season in the United States. Major Pacific storms are tracked from

the Aleutian or Hawaiian islands to landfalls on the West Coast. Further frontal motion of these storms is easily extrapolated for the Midwest and east coast. Midwest blocking highs and their attendant thunderstorms and cold weather are included in the Outlook as are hurricanes and other western Atlantic phenomena which influence the East coast. Broad changes in these factors result in persistent patterns of local weather. The aim of the Outlook is to predict the broad climatological changes which then effect local weather.

A subscription also includes a bi-monthly update which analyzes unforeseen patterns and events and describes weather anomalies from a planetary perspective. A subscription for the Aeolian Outlook and update costs \$40. Please make checks payable to: Dennis Kloczek A.O., 6603 Lincoln Ave., Carmichael, CA 95608

* **TREAT III**, Third Conference on Treatment and Research of Experienced Anomalous Trauma. "Ancient and Modern Perspectives on Experienced Anomalous Trauma"-- March 7-10, 1991. Kansas City. Pre-conference workshop March 5-6. For further information or to submit abstracts please contact: Rima E. Laibow, M.D., Director, TREAT, 13 Summit Terrace, Dobbs' Ferry, N.Y. 10522. (914) 693-8827

* **TIME RESEARCH** for **GRAVITY CONTROL, LONGEVITY & IMMORTALITY**. In the process of organizing a Think-Tank for the purpose of exchanging thoughts and ideas in this Information-Age, in the areas of Extraordinary and Borderland Science. The materials and tools needed are: 1. Lens, prisms, insulators-dielectrics, Quartz crystals, Magnets; 2. Orgone accumulators, pyramids; 3. Static generators and Ion polarity detectors; 4. Light detector above and below the visible spectrum. Below the infrared and above the ultraviolet. Other conventional tools needed are: 1. Oscilloscope, RF and audio generator; 2. Dynamic electricity; 3. High-powered red or greenish beam Laser; 4. Sheet copper and wire; 5. Capacitors of various sizes; 6. Low/high-voltage meters; 7. Dielectric tester; 8. Gyroscopes. If you can help with any of the above please contact: Elbert Cook, Cook Electronics, Box 295, Wickes, AR 71973, (501) 385-7958

* **1991 ALTERNATIVE WORLD CONFERENCE**, 21 speakers to discuss alternative technologies and energy sources, environmental problems and solutions, efficient technology and hardware that exists now, and Nikola Tesla's concepts and technology to transform civilization. Tentative dates: May 30-June 2, 1991, Marquis Hotel, Palm Springs, CA. Contact: Ron Brinkley, 81605 Lido Ave, Indio, CA. 92201. (619) 347-1331

* **RAUM & ZEIT**, A New Dimension in Scientific Research. Advanced research into Medicine, Physics, Energy, Ecology, Chemistry, Dentistry, Mineralogy. Important and timely articles for the borderland researcher. In US contact Chrystyne Jackson, PO Box 1508, Mt. Vernon WA 98273 (206) 424-6034. \$59/year six issues). In Australasia contact Alvin R.

Crosby, PO Box 89-141, Auckland 10, NZ. phone (064-9) 479-5300, 1 year subscription (6 issues) New Zealand NZ\$150 incl. GST., Australia A\$130 Airmail. 2 years subscription 20% discount.

* **FORTEAN TIMES**, 96 Mansfield Road, London NW3 2HX, England, is one of the most interesting magazines available. Each issue contains an incredible collection of anomalous happenings, and a recent issue did an extensive coverage of the crop circle phenomenon. If you are bored with the humdrum of daily life then read this magazine and find that the universe is much weirder than we are able to conceive.

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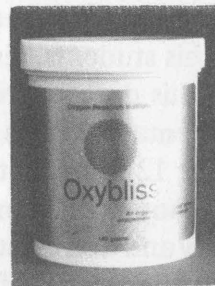
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